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Zhur Eksper i Teoret Fiz ~~xNxxi~~ Vol 14 65-83 1944

The interaction of x-rays with matter, and y-radiation spectroscopy by G. Latyshev

AECtr 495 at BNL 29 June 1951

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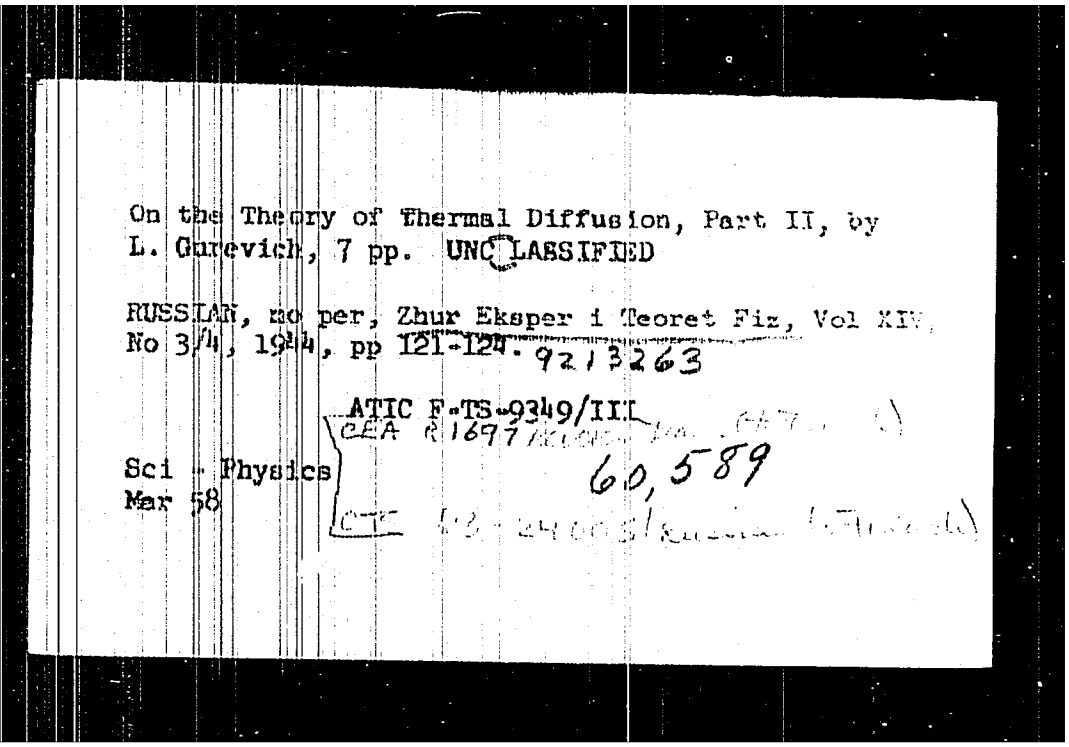
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



On the Theory of Thermal Diffusion, Part II, by L. Gurevich, 7 pp. UNCLASSIFIED

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XIV, No 3/4, 1944, pp 121-124. 9213263

ATIC F-TS-9349/IIL
CEA R 1697

Sci - Physics
Mar 58

60,589

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

A New Photoelectric Effect in Cuprous Oxide,
by I. K. Kikoin, M. M. Noskov, 11 pp.
RUSSIAN, per, Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, Vol 14, 1944, pp 123-129. F91114596?
AEC SC-T-67-0906

324,430

Sci - Nuclear Science
May 67

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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Agency: Picatinny Arsenal
P.O. 144-69b

R-1027-D
26 May 1969

Title: Theory of Slow Combustion pp. 240 to 245.

Author: Lenina

Source: Zh Eksperim i Teor. Fiz. Vol. 14, pp. 240-245. (1944).

Language: Russian 6pp

Special instruction: please translate & type 1 copy only.

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

A Boundary Problem of Electrodynamics and Integral Equations of Certain Diffraction Problems, by Ya. Pelá, 14 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XIV, No 9, 1944, pp 330-341.

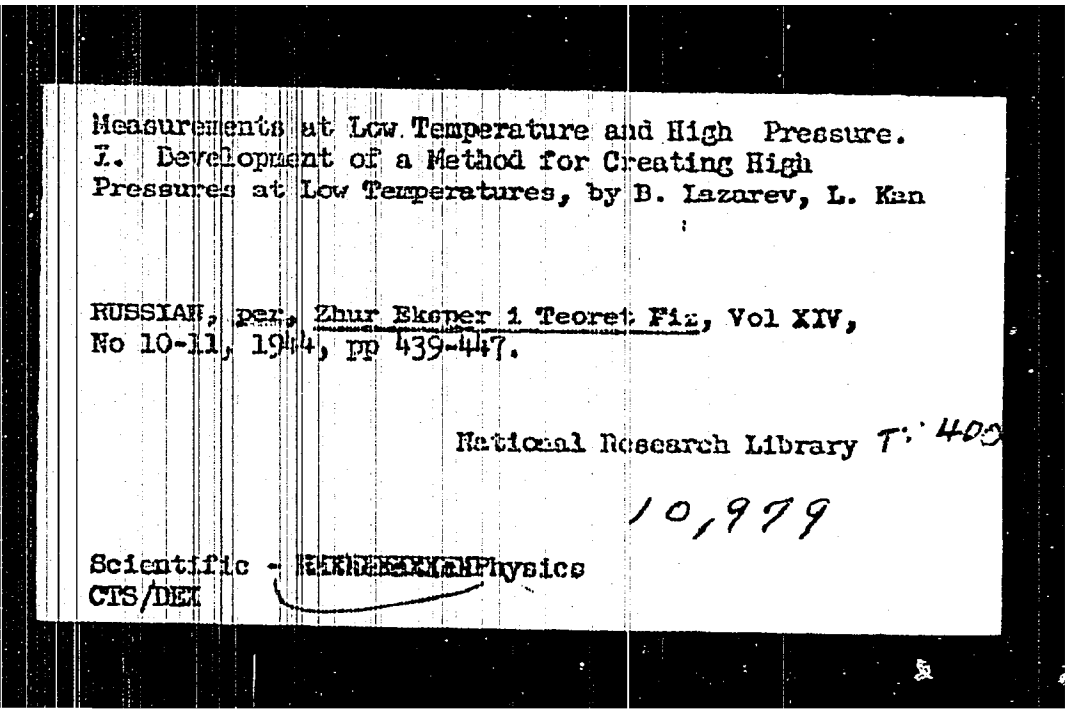
CCT 14268

CIA/FTD X-2398 47, 349

Sci - Physics
May 1957 CTB/dex

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Measurements at Low Temperature and High Pressure.
I. Development of a Method for Creating High
Pressures at Low Temperatures, by B. Lazarev, L. Kan

RUSSIAN, per: Zhur Eksper i Teoret Fiz, Vol XIV,
No 10-11, 1944, pp 439-447.

National Research Library T: 409

10,979

Scientific - Physics
CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Measurement at Low Temperatures and High Pressures. II. Superconductivity of Sn and In Under Uniform Compression at a Pressure of 1750 Kg/Cm^2,
by B. Lazarev, L. Kan.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XIV, 1944, pp 463-473.
NASA TT F-9152

Sci-Phys
Jan 65
U.S. GOVERNMENT ONLY

270,968

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

On the Change in the Superconductivity of Tin Under the Influence of Inhomogeneous Deformation, by B. Lazarev, A. Galkin, 10 pp.

RUSSIAN, per, Zhur Eksper Teor Fiz, Vol XIV, No 12, 1944, pp 474-480.

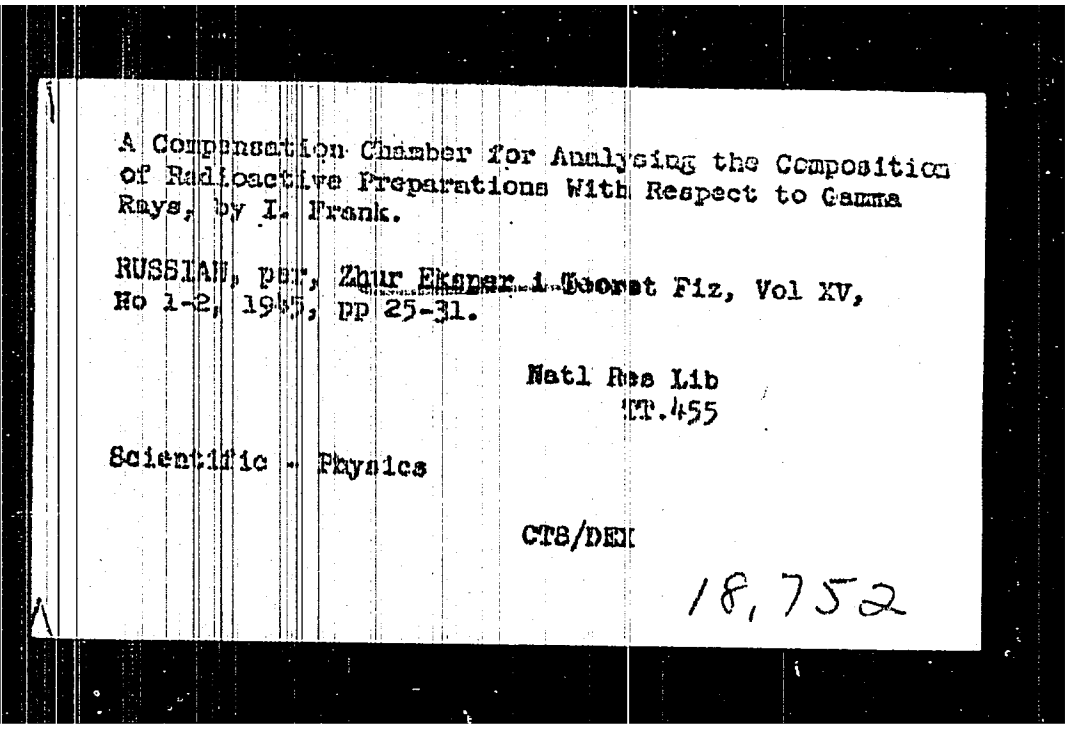
Morris D. Friedman
$5.00

Sci - Chemistry
Mar 59

84,384

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



A Compensation Chamber for Analysing the Composition of Radioactive Preparations With Respect to Gamma Rays, by I. Frank.

RUSSIAN, per., Zhur Eksper i Teoret Fiz, Vol XV, No 1-2, 1945, pp 25-31.

Natl Res Lib
QT.455

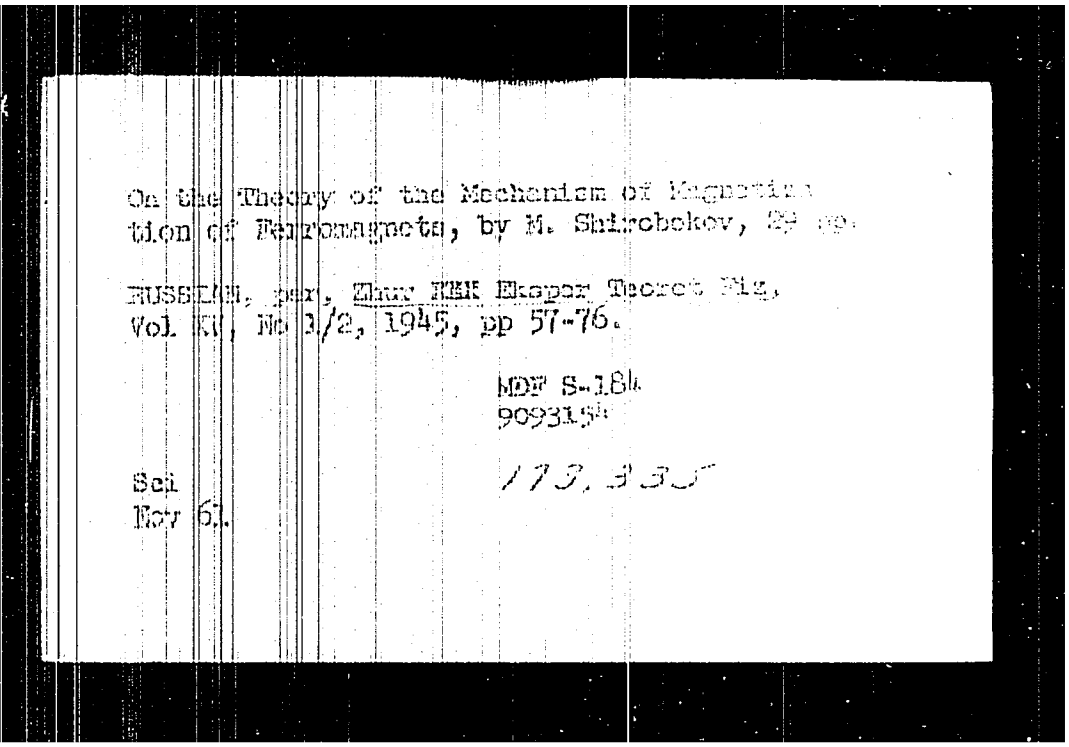
Scientific - Physics

CTS/DEM

18,752

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



On the Theory of the Mechanism of Magnetiza-
tion of Ferromagnets, by M. Shirobokov, 29 pp.

RUSSIAN, per, Zhur Eksper Teoret Fiz,
Vol XV, No 3/2, 1945, pp 57-76.

MDF S-184
909315

Sci
Nov 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Quadrupolar and Dipolar Gamma Radiation of Nuclei, by A. Migdal, 14 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XV, 1945, pp 81-88. 9093511

AEC UCRL Tr-822(L)

Sci - Phys
Jul 62
List 70

204, 708

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Zh Ek i Teoret Fiz Vol 15, page 703-8 (1945)

Determination of the crystal symmetry from the X-ray diffraction patterns. I. Determination of the crystal xyx symmetry from the X-ray diffraction patterns and Friedel's law, by G. Zhdanov.

AEC Trans (avail Brookhaven)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

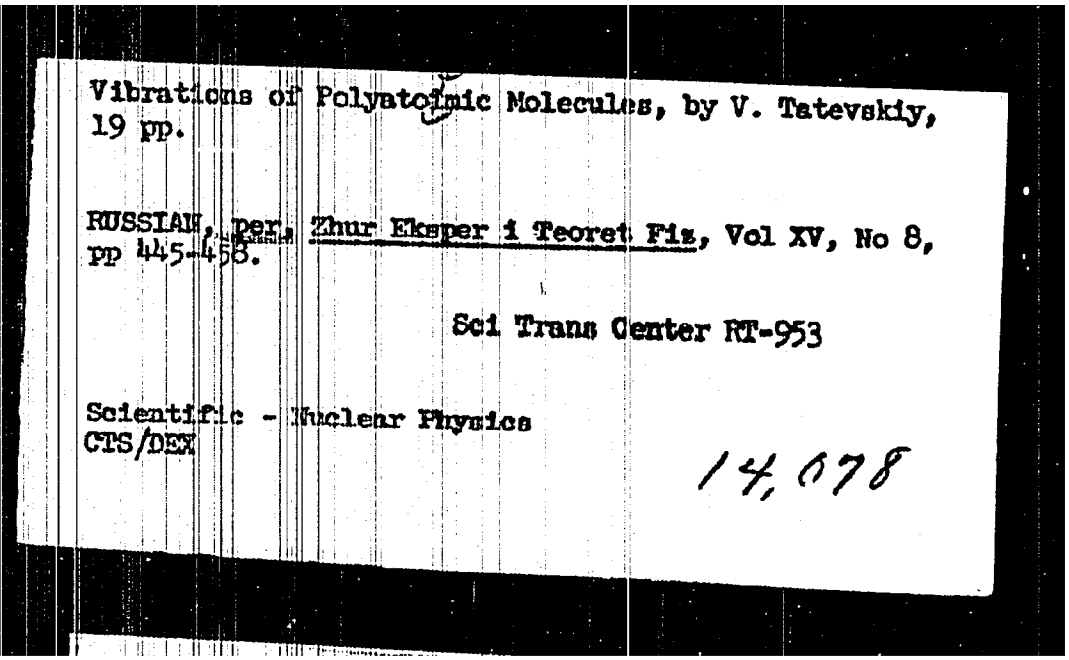
Zh Ek i Teoret Fiz Vol 15, page 709-20 (1945)

Determination of the crystal symmetry from the X-ray diffraction patterns. II. Rational extinction tables for the determination of X-ray groups,
by G/ Zhdanov and V. Pospelov.

AEC Trans (avail Brookhaven)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Vibrations of Polyatomic Molecules, by V. Tatevskiy, 19 pp.

RUSSIAN, per. Zhur Eksper i Teoret Fiz, Vol XV, No 8, pp 445-458.

Sci Trans Center RT-953

Scientific - Nuclear Physics
CTS/DEX

14,078

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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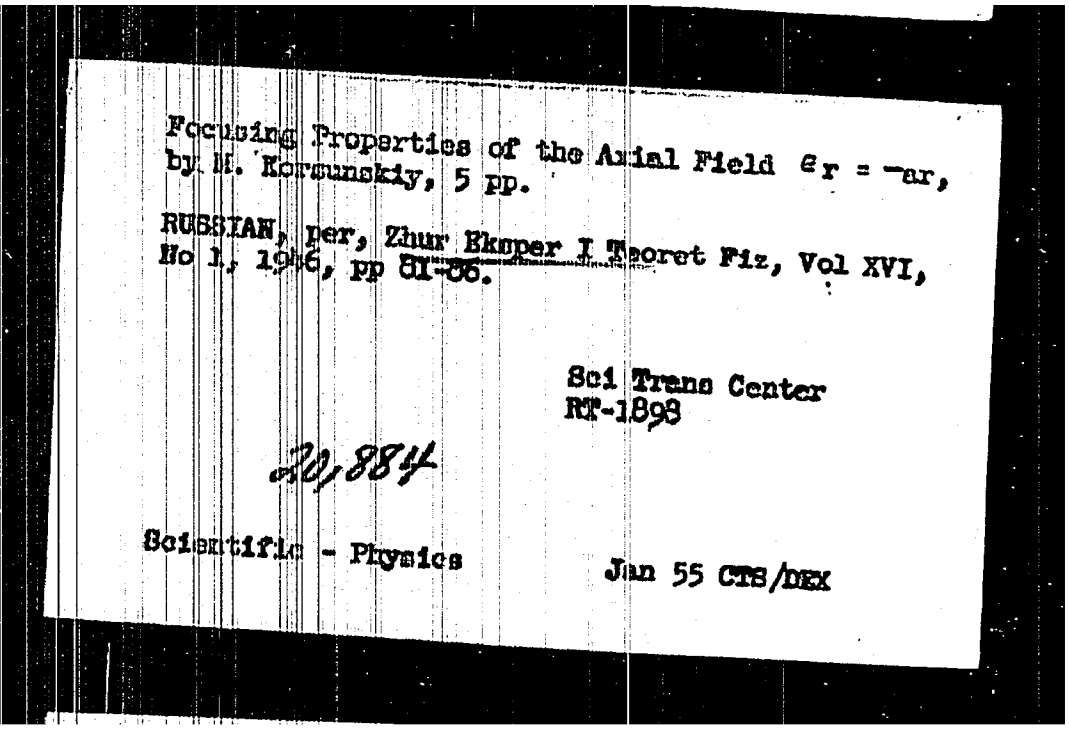

Focusing Properties of the Axial Field $e_r = -ar$, by M. Korsunskiy, 5 pp.

RUSSIAN, per, Zhur Eksper I Teoret Fiz, Vol XVI, No 1, 1946, pp 81-86.

Sci Trans Center
RT-1898

20,884

Scientific - Physics

Jan 55 CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Zh Ek i Teoret Fiz Vol 16, page 135-50 (1946)

Electronic Theory of the Surface Tension of Metals.
by A. Samoilovich

AEC Trans (avail. Brookhaven)

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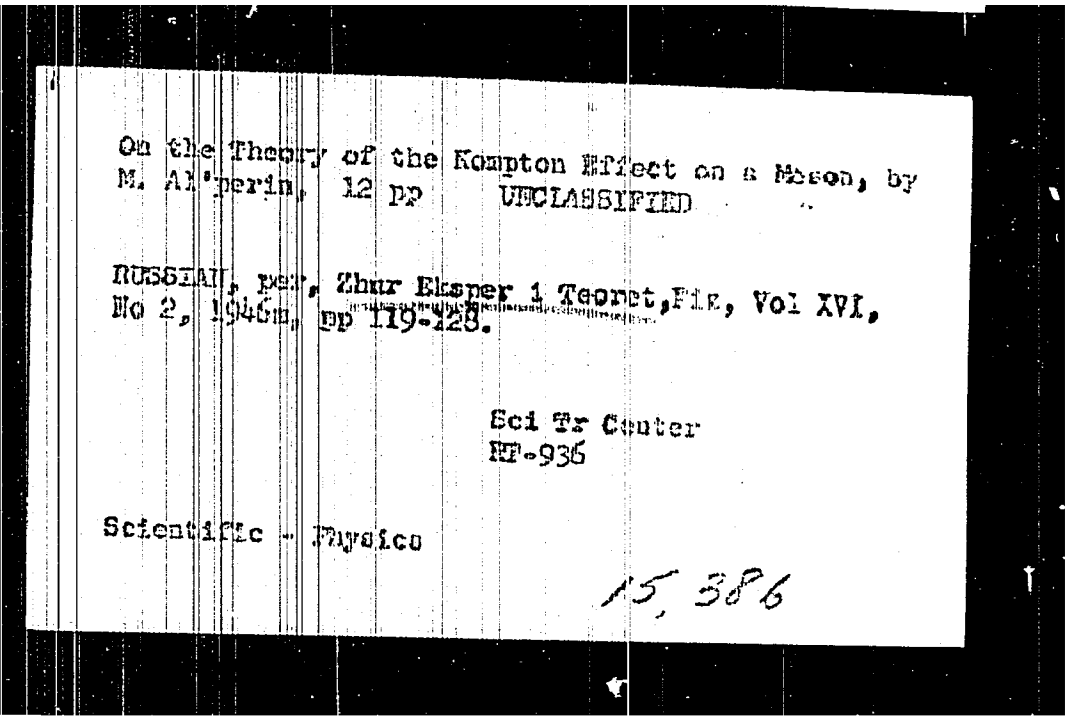
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



On the Theory of the Kompton Effect on a Meson, by M. Al'perin, 12 pp UNCLASSIFIED

RUSSIAN, per, Zhur Eksper i Teoret, Fiz, Vol XVI, No 2, 1946, pp 119-128.

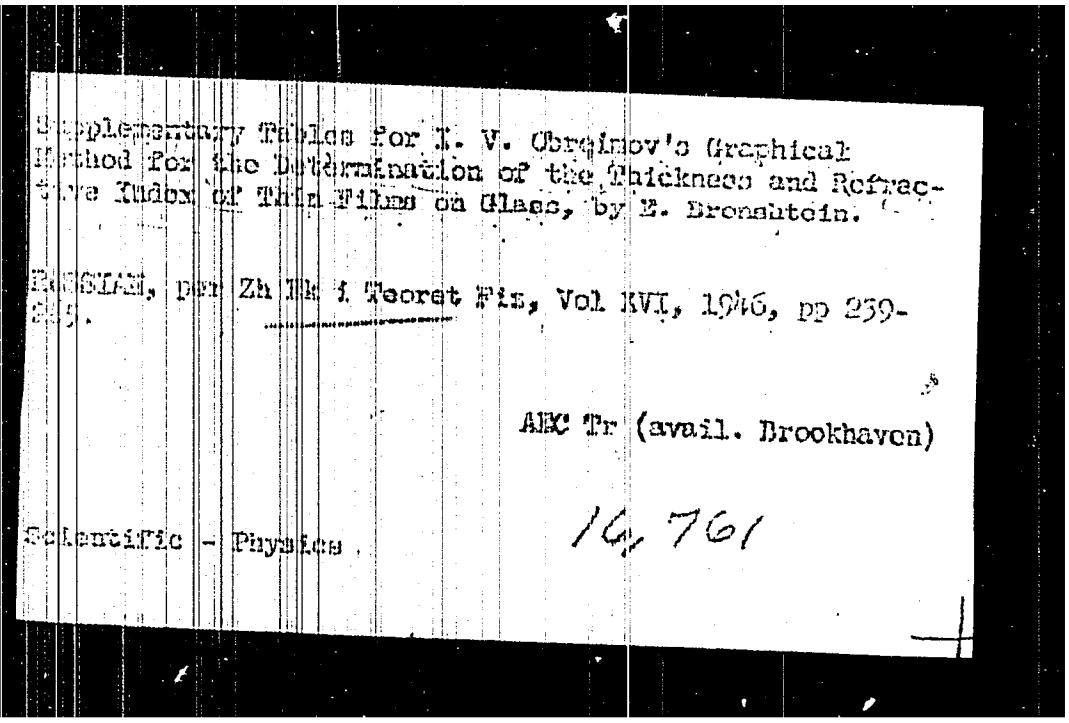
Sci Tr Center
MF-936

Scientific - Physics

15, 586

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Supplementary Tables for I. V. Obreimov's Graphical Method for the Determination of the Thickness and Refractive Index of Thin Films on Glass, by Z. Bronshtein.

RUSSIAN, Zh Tekh i Teoret Fiz, Vol XVI, 1946, pp 239-245.

AEC Tr (avail. Brookhaven)

Scientific - Physics

14,761

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Autolocalization of the Electron in an Inertially Polarizable Dielectric Medium, by S. I. Pekar, 19

RUSSIAN, Per, Zhur Eksper i Teoret Fiz, Vol XVI, 1946, pp 335-340.

AEC Tr-4259

Sci - Phys
Jun 61

156,076

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

(BY-4846)

On the Possibility of Rarefaction Shock Waves, by Ya. Zel'dovich, 6 pp.

RUSSIAN, pur, Zhur Eksper i Teoret Fiz, Vol XVI, No 4, 1946, pp 353, 364.

JPRS 7320

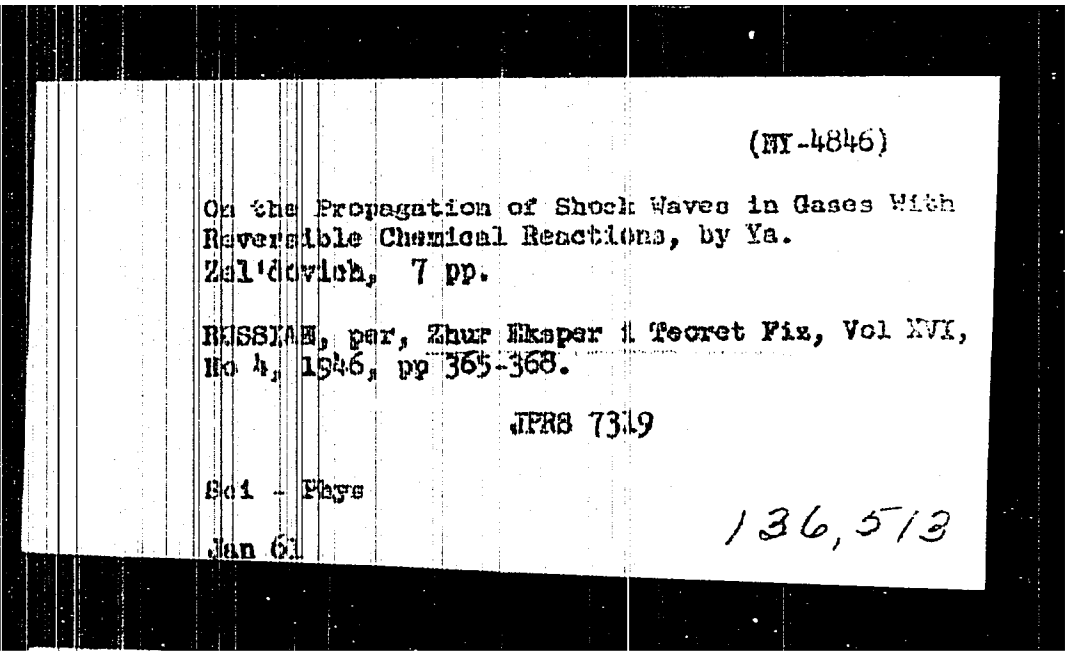
Sci - Phys

Jan 61

136, 374

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



(MI-4846)

On the Propagation of Shock Waves in Gases With Reversible Chemical Reactions, by Ya. Zel'dovich, 7 pp.

RUSSIAN, par, Zhur Eksper i Teoret Fiz, Vol XVI, No 4, 1946, pp 365-368.

JPRS 7319

Sci - Phys

Jan 61

136,513

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Oscillations of an Electron Plasma, by L. Landau, 16 pp.

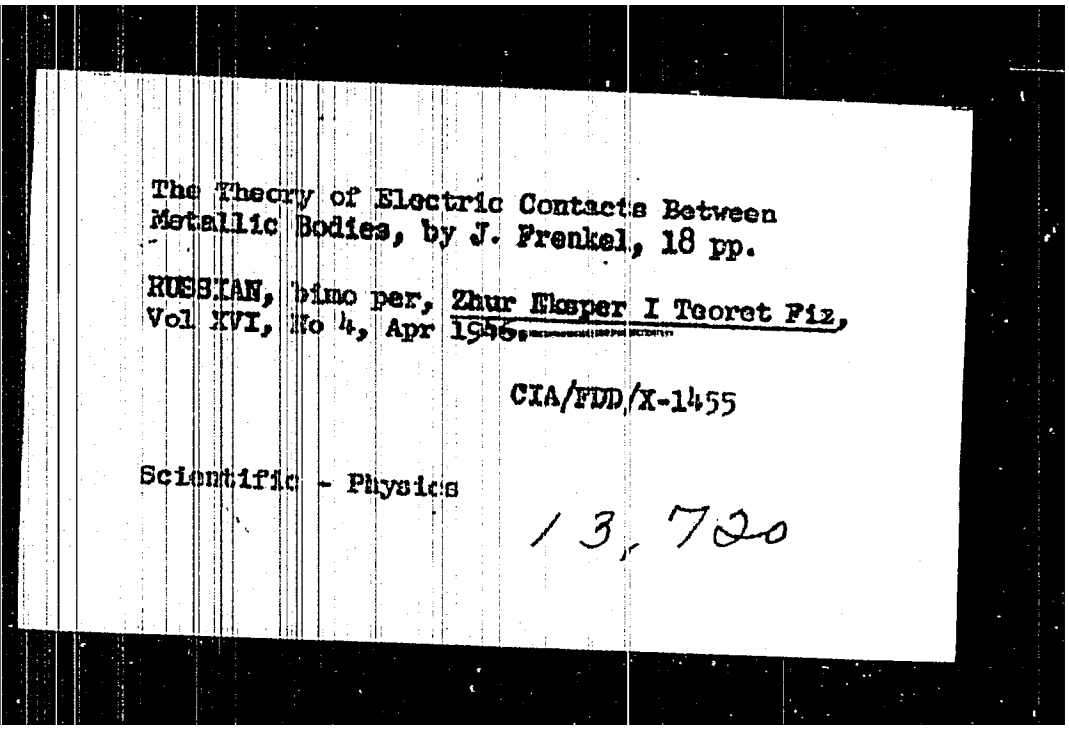
RUSSIAN, b:mo per, Zhur Eksper i Teoret Fiz, Vol XVI, 1946, pp 574-586.

AEC Tr 2728

Sci - Electronics; Physics 48,631
Jun 57

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



The Theory of Electric Contacts Between Metallic Bodies, by J. Frenkel, 18 pp.

RUSSIAN, Olmo per, Zhur Eksper I Teoret Fiz, Vol XVI, No 4, Apr 1946.

CIA/FDD/X-1455

Scientific - Physics

13,720

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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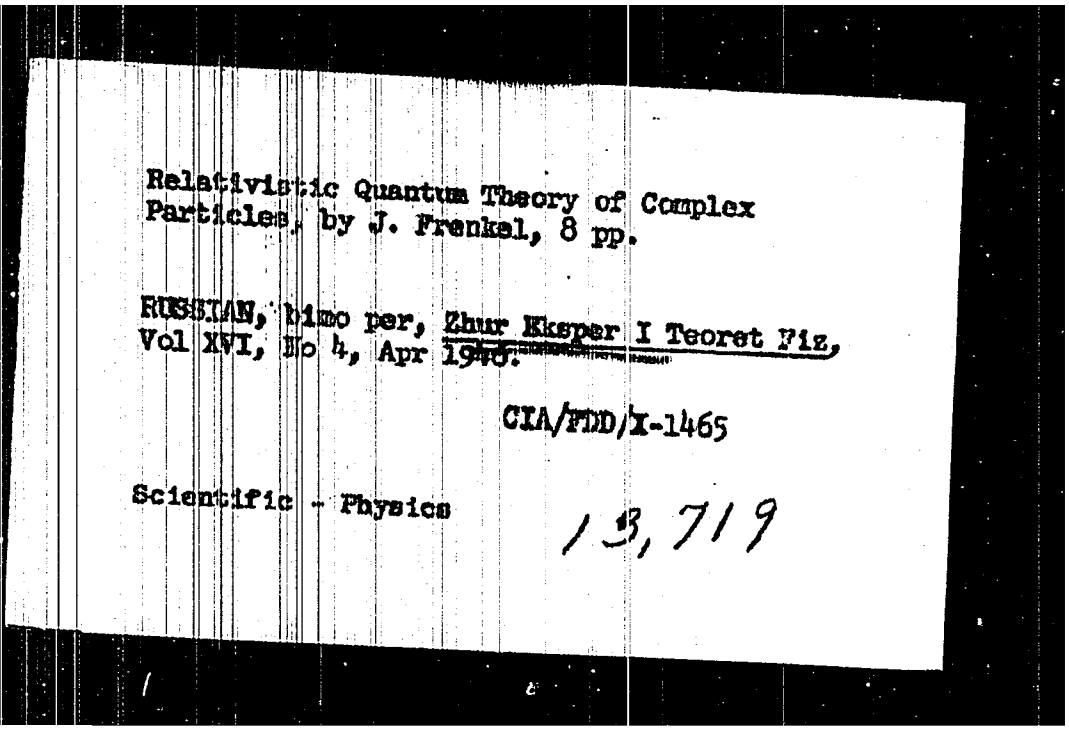

Relativistic Quantum Theory of Complex Particles, by J. Frenkel, 8 pp.

RUSSIAN, Pismo per, Zhur Eksper I Teoret Fiz, Vol XVI, No 4, Apr 1946.

CIA/FDD/K-1465

Scientific - Physics

13,719

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

A Phenomenological Theory of Turbulence, by V. G. Nevzglindov, 25 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XVI, No 7, 1946, pp 611 - 625.

AMC F-TS-7483

Scientific - Physics

RT-870

Jan 1952 CTS

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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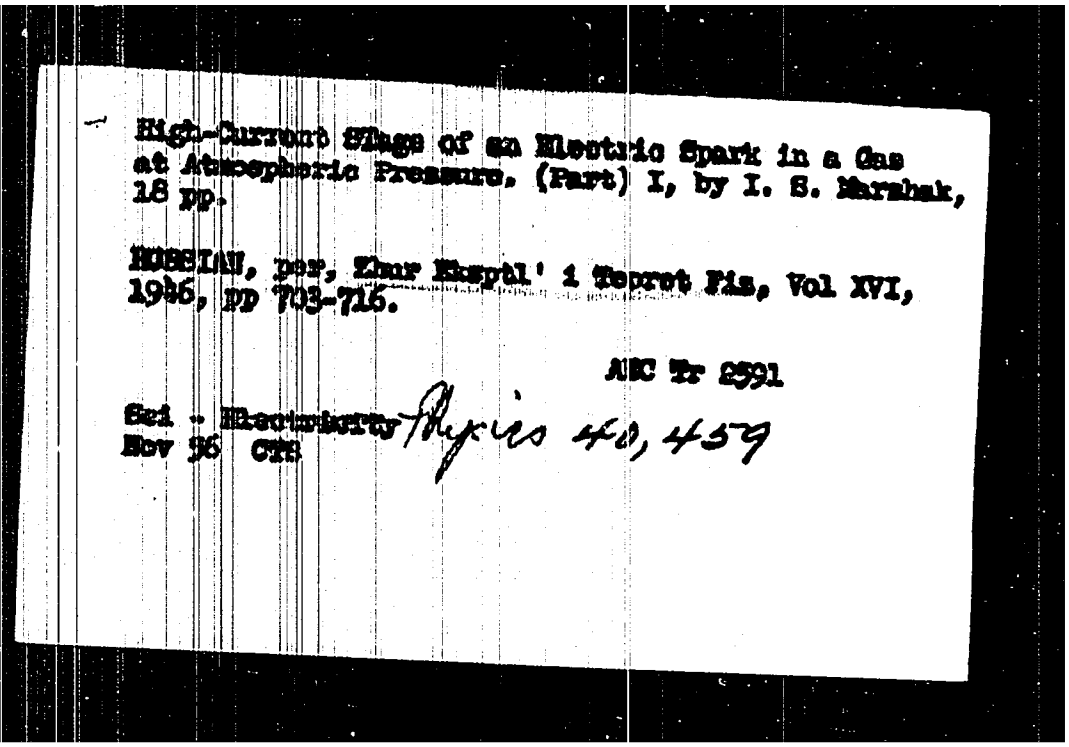


High-Current Stage of an Electric Spark in a Gas at Atmospheric Pressure. (Part) I, by I. S. Marshak, 18 pp.

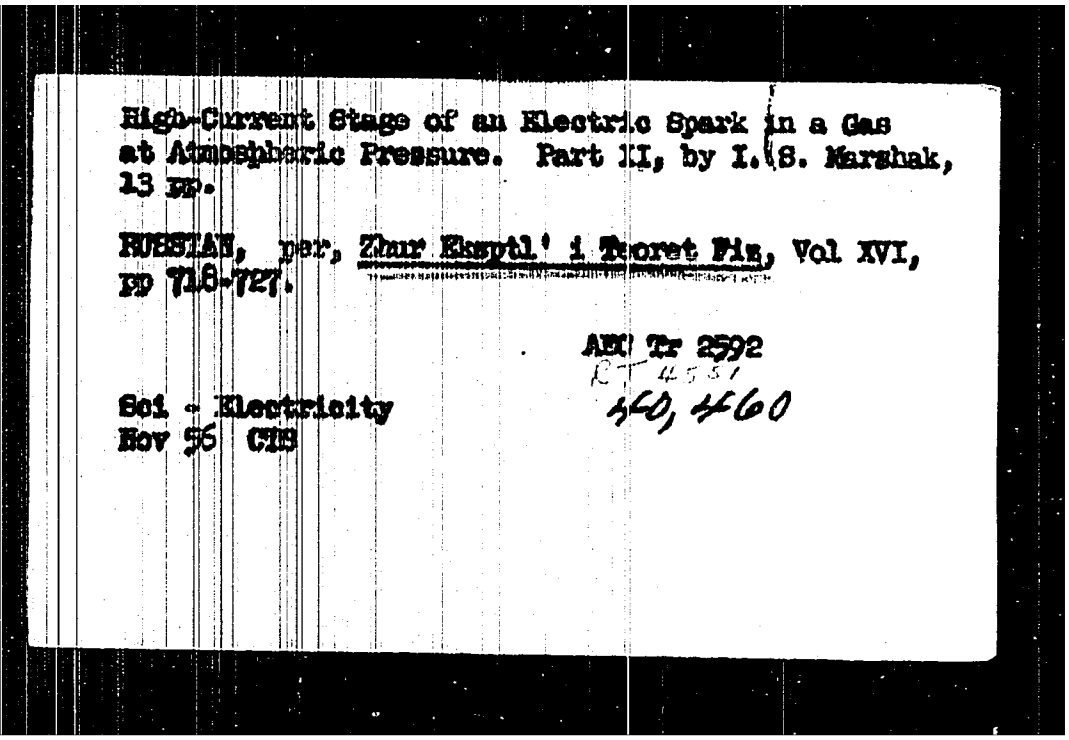
RUSSIAN, per, Zhur Eksptl' i Teoret Fiz, Vol XVI, 1946, pp 703-716.

AEC Tr 2591

Sci - Electricity Physics 40, 459
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



High-Current Stage of an Electric Spark in a Gas at Atmospheric Pressure. Part II, by I. S. Marshak, 13 pp.

RUSSIAN, per, Zhur Eksptl' i Teoret Fiz, Vol XVI, pp 718-727.

AEC Tr 2592
RT 4551
460, 4460

Sci - Electricity
Nov 56 CIB

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

On Ductile Rupture, by B. Ya. Pines, 26 pp.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol XVI, No 8, 1946, pp 744-755.

Sci Tr Center RT-327

Scientific - Physics

10,134

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Zlunitsyn, S. A. and Rudenko, N. S.
THE COMPRESSIBILITY OF HYDROGEN AT LOW TEMPERATURES, tr. by George N. Kasachkoff and George F. Hill. 19 Feb 62 [8]p. 6 refs. AOMC Trans. nr 13-62.
Order from OTS or SLA Sl. 10 62-15999

Trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR) 1946, v. 16, no. 9, p. 776-779.

DESCRIPTORS: *Hydrogen, Gas cylinders, Compressors, Temperature, Gases, Vapor pressure.

The paper contains the results of measurement of the compressibility of H_2 at $T = 65.0^{\circ}K$, $T = 77.7^{\circ}K$, $T = 90.6^{\circ}K$. An apparatus is described for measurement of the compressibility of gases at low temperatures. (Author)

(Physics--Thermodynamics, TT, v. 7, no. 11)

62-15999

I. Zlunitsyn, S. A.
II. Rudenko, N. S.
III. AOMC Trans-13-62
IV. Army Ordnance Missile Command, Redstone Arsenal, Ala.

Office of Technical Services

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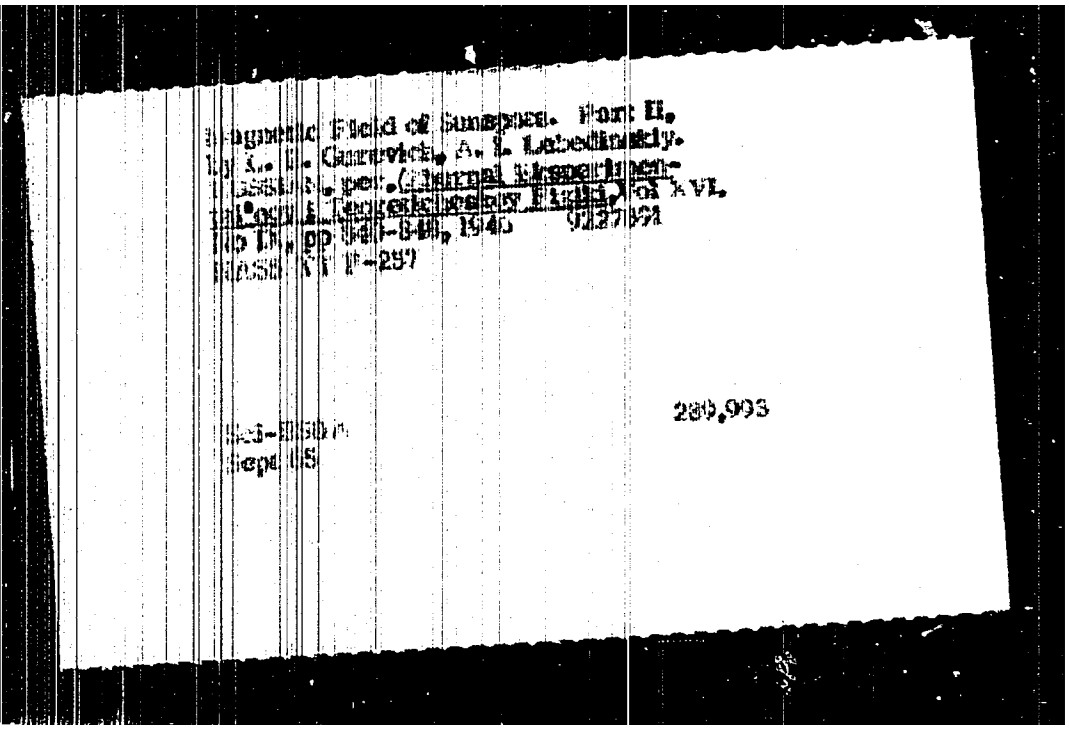
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Magnetic Field of Sunspots. Part II.
M. A. H. Garrick, A. B. Lebedinsky.
[illegible] Zhurnal Eksperimental'noi
[illegible] Teoreticheskoi Fiziki, 10 XVI,
[illegible] 1940 9237991
[illegible] F-257

280,993

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Sept 48

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

ZHUR EKSP I TEOR FIZ VOL XVI, No 11 Nov 1946

3 pp

"The Doppler Effect in a Wave Guide"

N. N. Nalov

NRL Translation 113

13T58

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

(NY-4846)

Luminescence Temperature Measurements of Explosions by an Optical Method, by M. N. Aleontsev, A. F. Belyayev, N. N. Sobolev, B. M. Stepanov, 16 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVI, No 11, 1946, pp 990-995.

JPRS 7318

Sci - Phys

136,376

Jan 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Scattering of Slow Neutrons in Crystals, by
A. Akhiezer, I. Pomeranchuk.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII,
1947.

AEC Tr

S.Tr.C. RT935

Scientific - Physics CTS Nov 1949 (2/49)

12,902

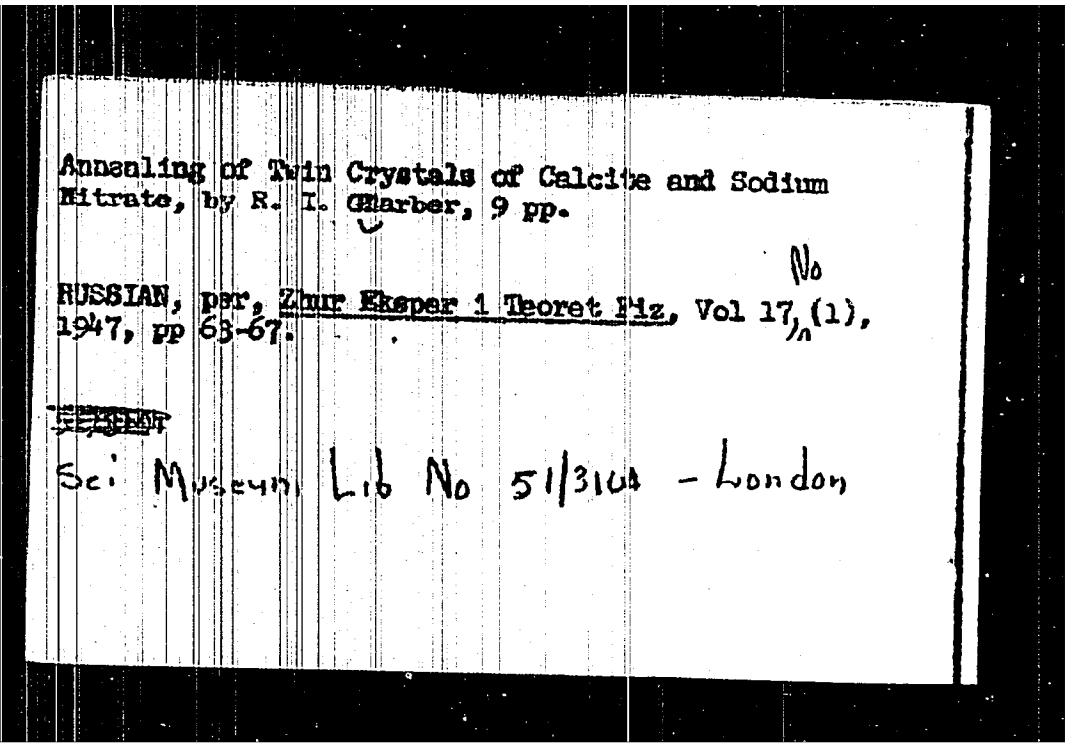
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

On the Theory of the Diffusion of Rrsonance Radiation, by L.M.Biberman.
RUSSIAN, per, Zhurnal Eksperimentalnoi i Teoreticheskoi, vol. 17, 1947, pp. 4]6-526.
NTC 70-17011-20A

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



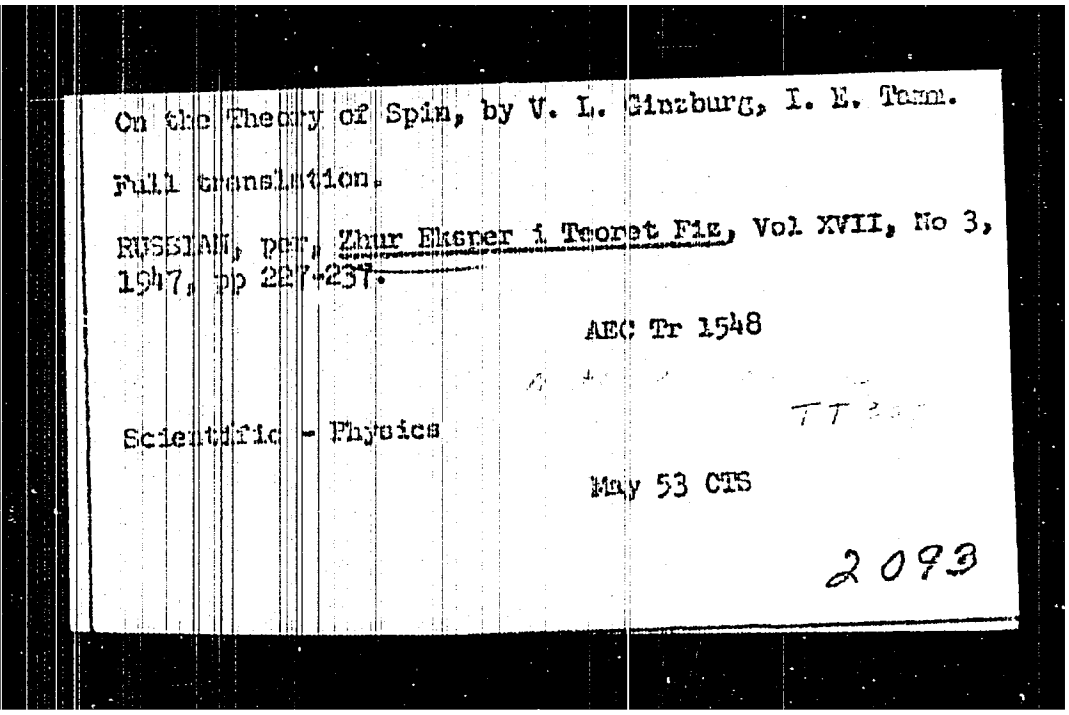
Annealing of Twin Crystals of Calcite and Sodium Nitrate, by R. I. Garber, 9 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol 17, No (1), 1947, pp 63-67.

Sci Museum Lib No 51/3104 - London

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



On the Theory of Spin, by V. L. Ginzburg, I. E. Tamm.

Full translation.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII, No 3, 1947, pp 227-237.

AEC Tr 1548

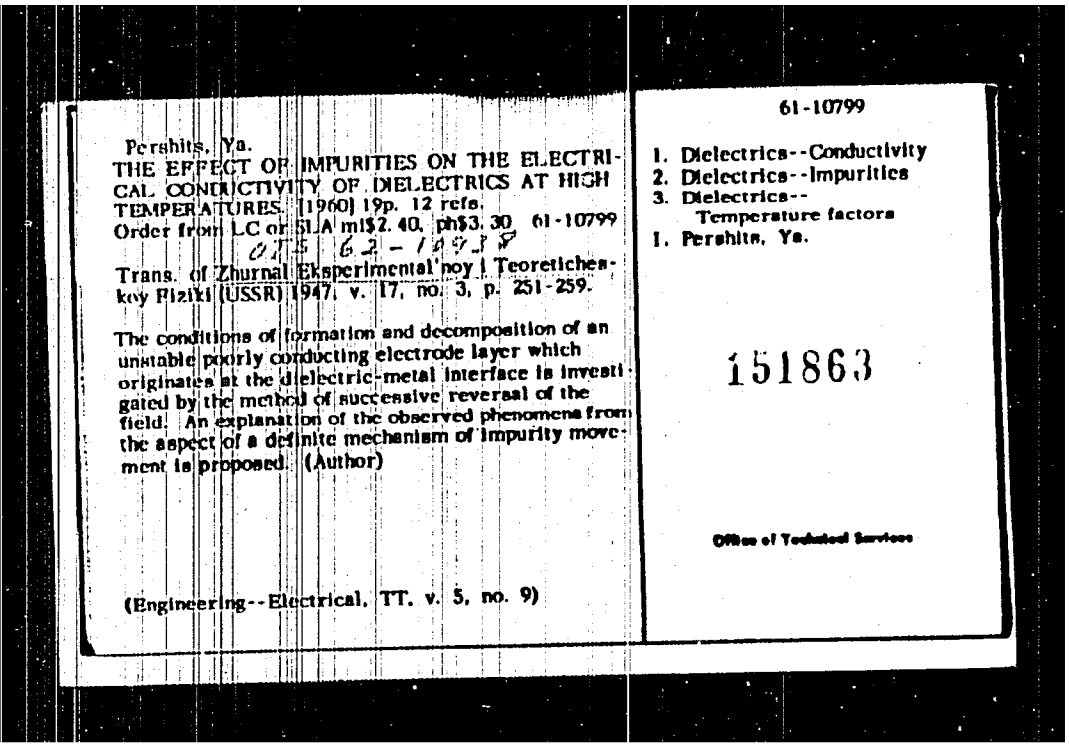
Scientific - Physics

May 53 CTS

2093

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Pershits, Ya.
THE EFFECT OF IMPURITIES ON THE ELECTRICAL CONDUCTIVITY OF DIELECTRICS AT HIGH TEMPERATURES. [1960] 19p. 12 refs.
Order from LC or SLA mi$2.40, ph$3.30 61-10799
OTS 62-19738

Trans. of Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki (USSR) 1947, v. 17, no. 3, p. 251-259.

The conditions of formation and decomposition of an unstable poorly conducting electrode layer which originates at the dielectric-metal interface is investigated by the method of successive reversal of the field. An explanation of the observed phenomena from the aspect of a definite mechanism of impurity movement is proposed. (Author)

(Engineering--Electrical, TT. v. 5, no. 9)

61-10799

1. Dielectrics--Conductivity
2. Dielectrics--Impurities
3. Dielectrics--Temperature factors
I. Pershits, Ya.

151863

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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ZHURNAL EKSPERIMENTAL'NOY I TEORETICHESKOY FIZIKI
Vol XVII, No 4, 1947, 13 pp

"Electron and Ion Emission of Thoriated Tungsten in Sodium Vapors"

L. N. Dobretsov

AMC Trans # F-TS-5562-E
(copy in files)

ASC-MTP-10982

34T80

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Stepped Processes in the Inelastic Interaction between Atoms and Electrons, by B. M. Yavorskiy, 17 pp.
RUSSIAN, per, Zh. Eksperimentalnoy i Teoretich. Fiziki, Vol 17, No 4, 1947, pp 315-327.
AEC/ANL/Tr-673-68

Sci/Phy
Feb 69

374,240

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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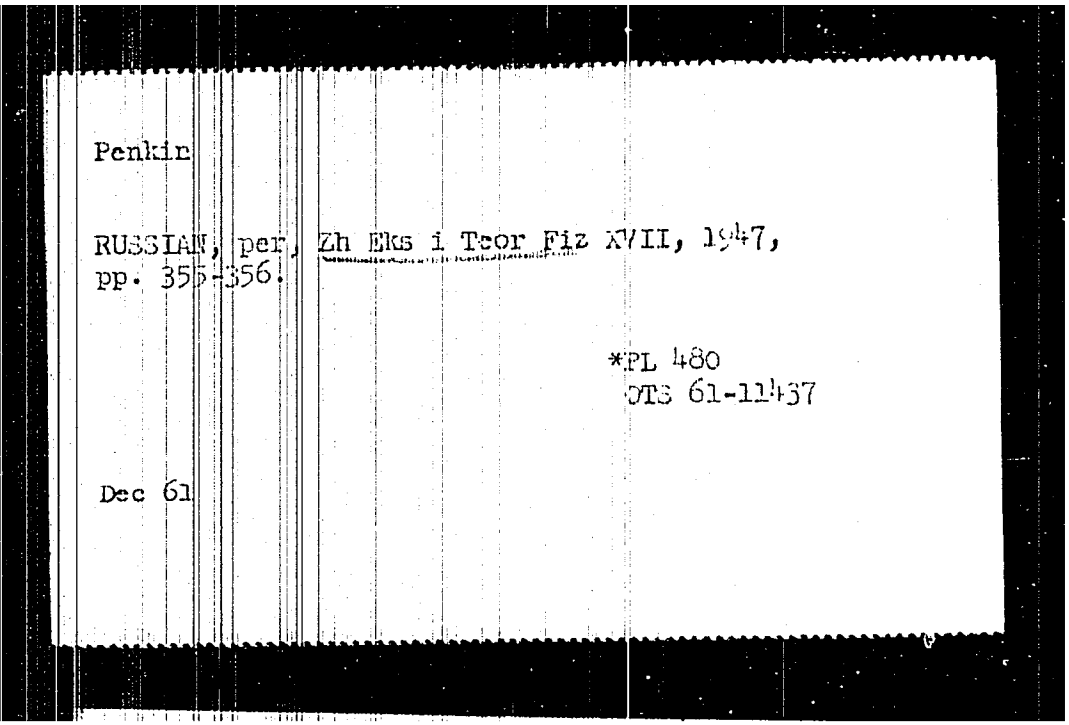

Penkin

RUSSIAN, per. Zh Eks i Teor Fiz XVII, 1947, pp. 355-356.

*PL 480
OTS 61-11437

Dec 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Stepanov, P. E.
ON THE RELAXATION PHENOMENA IN A SHOCK WAVE IN GAS (O Relaksatsionnykh Yavleniyakh v Udarnoi Volne v Gaze). 25p. (foreign text included). 7 refs. DTC-3.
Order from OTS, ETC or DTC $1.65 62-28790

Unedited draft trans. of Zhurnal Eksperimental'noi i Teoreticheskoi Fizika (USSR) 1947, v. 17, no. 5, p. 377-385.

DESCRIPTORS: *Shock waves, Gases, Theory.

(Physics, TT, v. 10, no. 2)

62-28790

I. Stepanov, P. E.
II. DTC-3
III. Danish Translations Centre, Roskilde

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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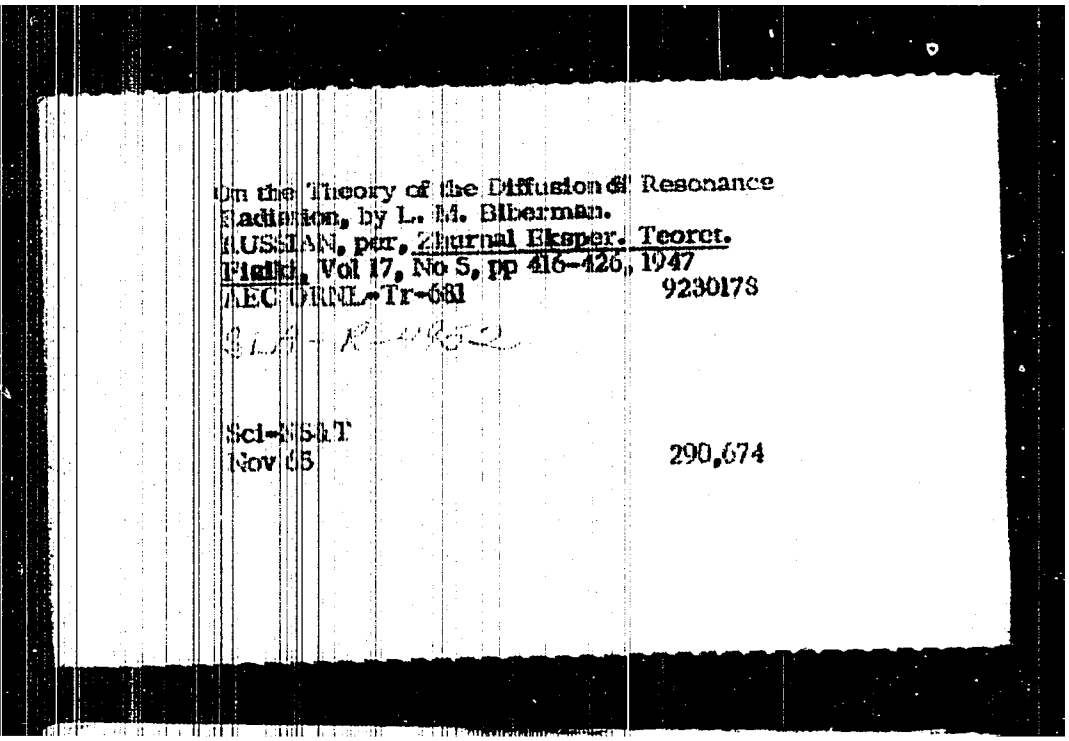

On the Theory of the Diffusion of Resonance Radiation, by L. M. Biberman. (USSIAN, pub. Zhurnal Eksper. Teoret. Fiziki, Vol 17, No 5, pp 416-426, 1947
AEC ORNL-Tr-681 9230178

Sci-Misc T
Nov 55 290,674

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

ZHUR EKSP I TEOR FIZ Vol XVII, No 6 Jun 1947

8 pp

"A Spectroscopic Study of the Movement of Ions in Plasma"

S. E. Frish, Yu. M. Kagan

Done by AEC
Prelim Union List of Trans
Available TLB

11T68

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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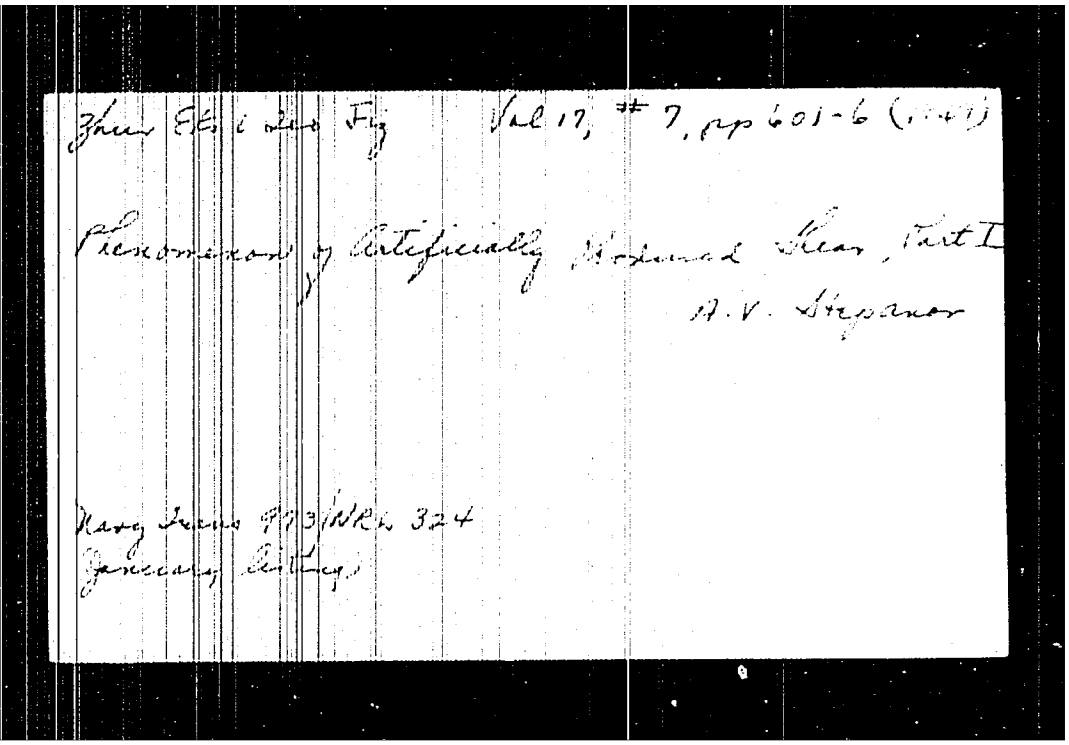
Vol 17, # 7, pp 601-6 (1967)
Recommendations of Artificially Induced Mutation, Part I
N. V. Stepanov
Mary Jean 973/WR 324
(January 2017)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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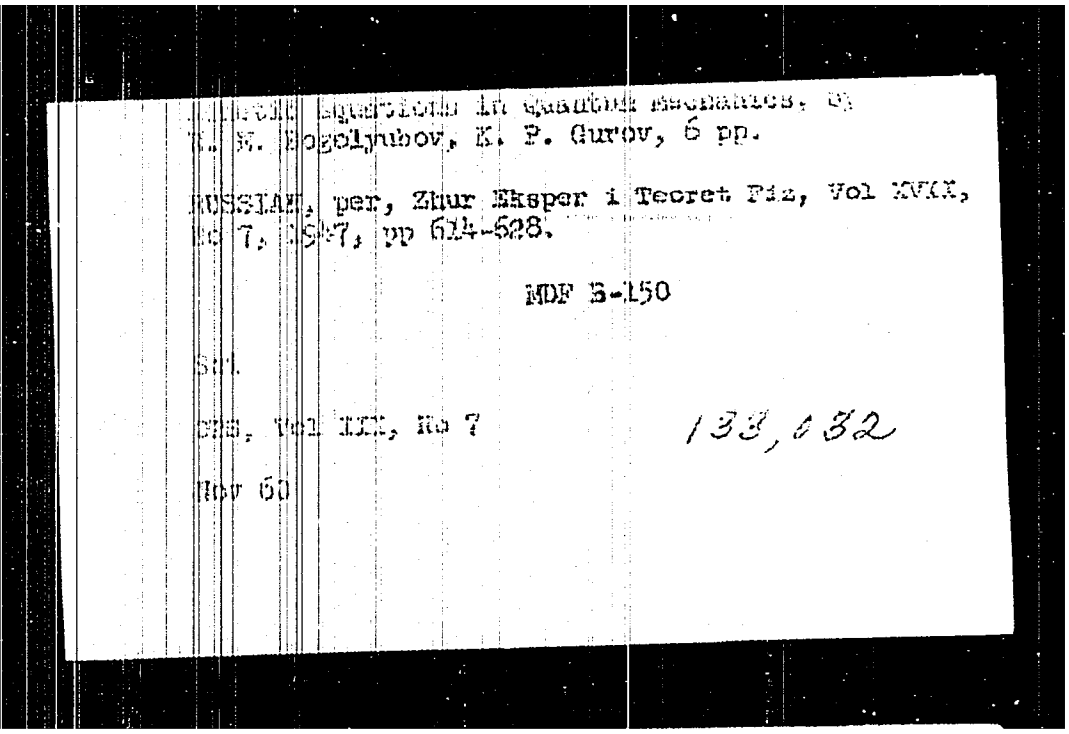

[illegible] Equations in Quantum Mechanics, by
V. M. Bogolyubov, K. P. Gurov, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII,
No 7, 1947, pp 614-628.

MDF B-150

SM

ZhE, Vol III, No 7

Nov 50

133,632

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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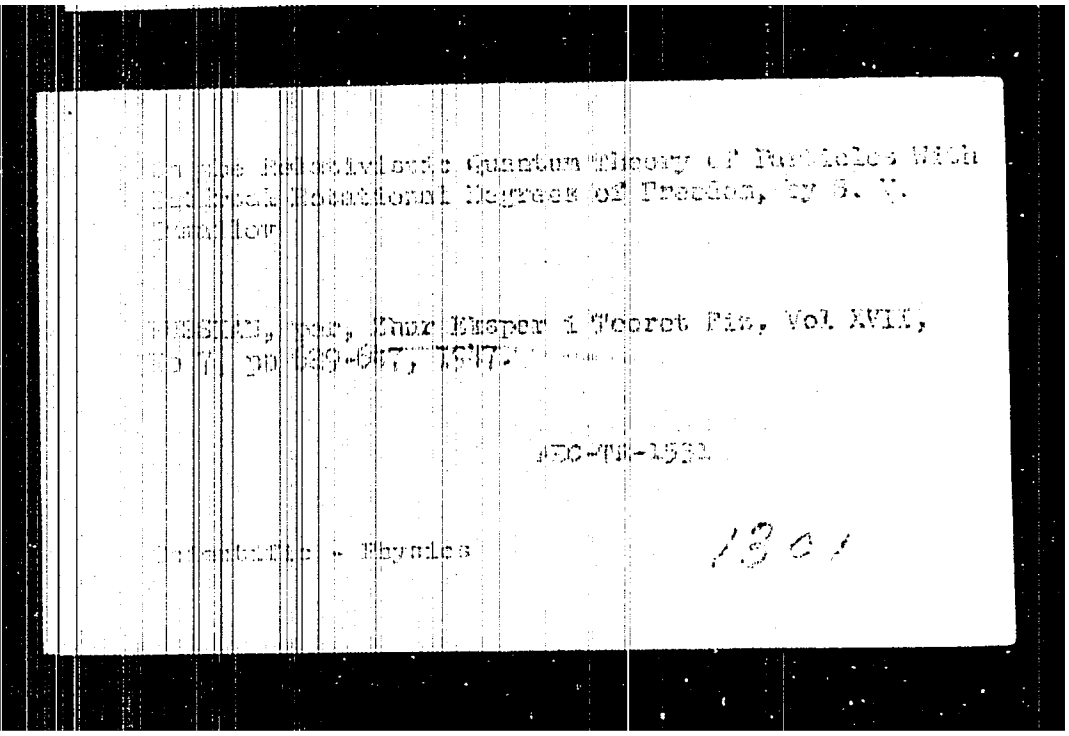


On the Relativistic Quantum Theory of Particles With
Each Rotational Degrees of Freedom, by S. T.
Ma, Low

[illegible], Inst, Chur Exper i Teoret Fiz, Vol XVII,
No 11, pp 939-947, 1947.

AEC-tr-1592

Particles - Physics

1801

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

(FDD 21953)

A Quick Controlled Optical Shutter, by N. N. Sobolev, 13 pp.

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XVII, No 7, Moscow/Leningrad, Jul 1947, pp 655-660.

CIA/FDD/U-6379

USSR
Sci - Physics, optics, & photography

18/188

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

On the Domain Structure of Ferromagnetic Bodies in the Presence of a Magnetic Field, by L. Kholodenko, 30 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII, No 8, 1947, pp 696-707.

SLA 60-14201

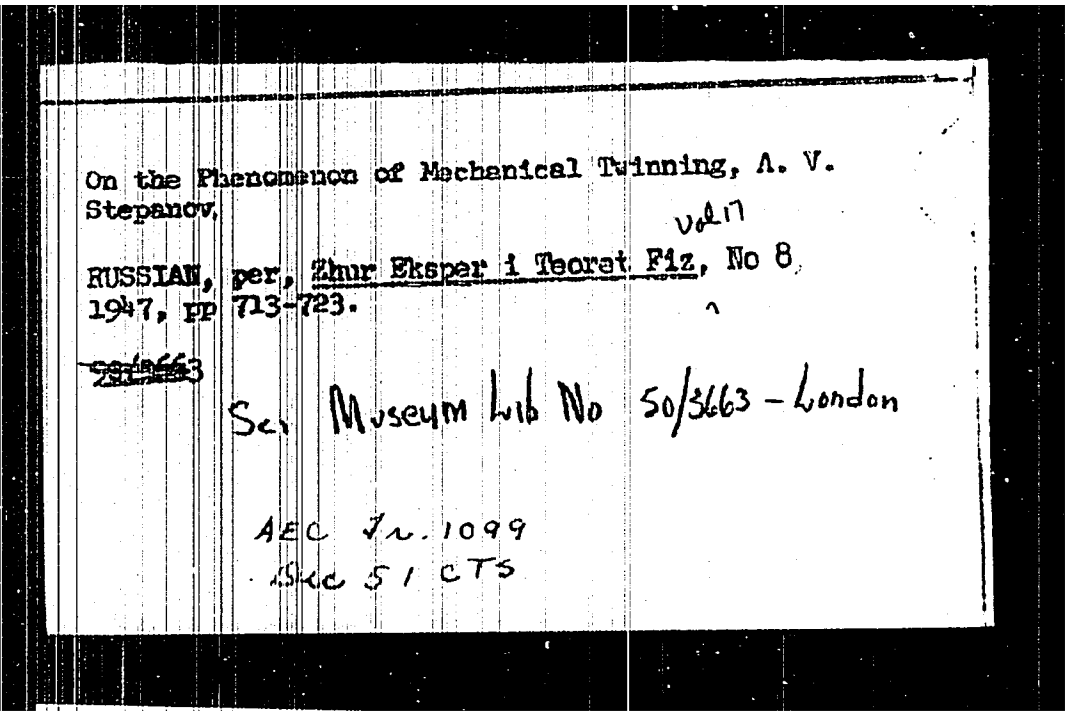
ALC (Amold Engineering)

184,696

Sci
Feb 62
Vol XII, No 11

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



On the Phenomenon of Mechanical Twinning, A. V. Stepanov,

RUSSIAN, per, Zhur Eksper i Teoret Fiz, No 8, vol 17
1947, pp 713-723.

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Sci Museum Lib No 50/363 - London

AEC Tr. 1099
Sec 51 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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AEC

LB/G-3052 Uncl.

CONSTRUCTION OF THE GREEN TENSOR FOR THE FUNDAMENTAL EQUATION OF ELASTICITY THEORY IN THE CASE OF AN UNBOUNDED ELASTICALLY ANISOTROPIC MEDIUM. Lifshits, I. M.; Rozentsveig, L. N. Translated by J. E. Baker (Atomic Energy Research Establishment, Harwell, Eng.) from Zh. Eksp. Teor. Fiz., 17: 783-91(1947). 16p.

mathematics; physics (solid-state); translations

ND-34 NP RC

Unlimited

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Agency: Picatinny Arsenal
P.O. Rpt. 50-70

R-11031-D
6 Nov. 69

Title: The Passage of a Spark Discharge.
pp. 862 to 867.

Author: I. S. Abramson, et al.

Source: Zh. Eksperim. i Teor. Fiz. Vol. 17 (1947).

Language: Russian. 6pp

Special Instruction: Please translate & type 1 copy only.

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Construction of the Green Tensor for the Fundamental Equation of Elasticity Theory in the Case of an Unbounded Elastically Anisotropic Medium, by I. M. Lifshits.
RUSSIAN, per, Zh Eksp i Teore Fiziki, Vol 17(9), 1947, pp 783-791.
*AEC/LB/G-Tr-3052

Sci/Phy
Feb 71

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

The Diffraction Field of an Ideally Conducting Sphere, by A. R. Volpert, & A. I. Potekhin, 8 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII, No 9, 1947, pp 802-813.

CIA/FDD X-2424

Sci - Physics
May 1957 CTS/dmx

47,336

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Surface Effects in Superconductors in Intermediate States, by A. Meshkovskiy, A. Shal'nikov, 33 pp.

RUSSIAN, per, Zhur Eksptl Teort Fiz, Vol XVII, No 10, 1947, pp 851-861.

SLA Tr R-886

S-2, 284

Sci - Electricity, Physics

Sep 57

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Zh Ek i Teoret Fiz Vol 17, No 10 (1947)
page 883-8

Magnetospin resonance in ferromagnetic substances on centimeter waves, by E. K. Zavoiski

AEC Trans (avail Brookhaven)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

S-178/60 (NY-4032)

Formation of a Supercompressed Detonation Wave a Narrowing Tube, by B. V. Ayvazov, Ya. B. Zel'dovich, 27 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII No 10, 1947, pp 889-900.

JPRS 5735

Sci - Phys

Oct 60

128,455

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Some Theorems on the Group Velocity of Electromagnetic Waves, by S. M. Rytov.
RUSSIAN, per, Zh Eksperiment i Teor Fiz, Vol 17, No 10, 1947, pp 930-936.
Dept of Navy APL/JHU T-2306

Sci-Phys
Oct 69

393,327

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Some Theorems on the Group Velocity of Electromagnetic Waves, by S. M. Rytov.

RUSSIAN, pub, Zhur Eksper Biolog i Med, Vol XVII, No 10, 1947, pp 930-936.

ASELIB GB 1QXHXIB 1527

Sci - Electron, Med

192, 734

Apr 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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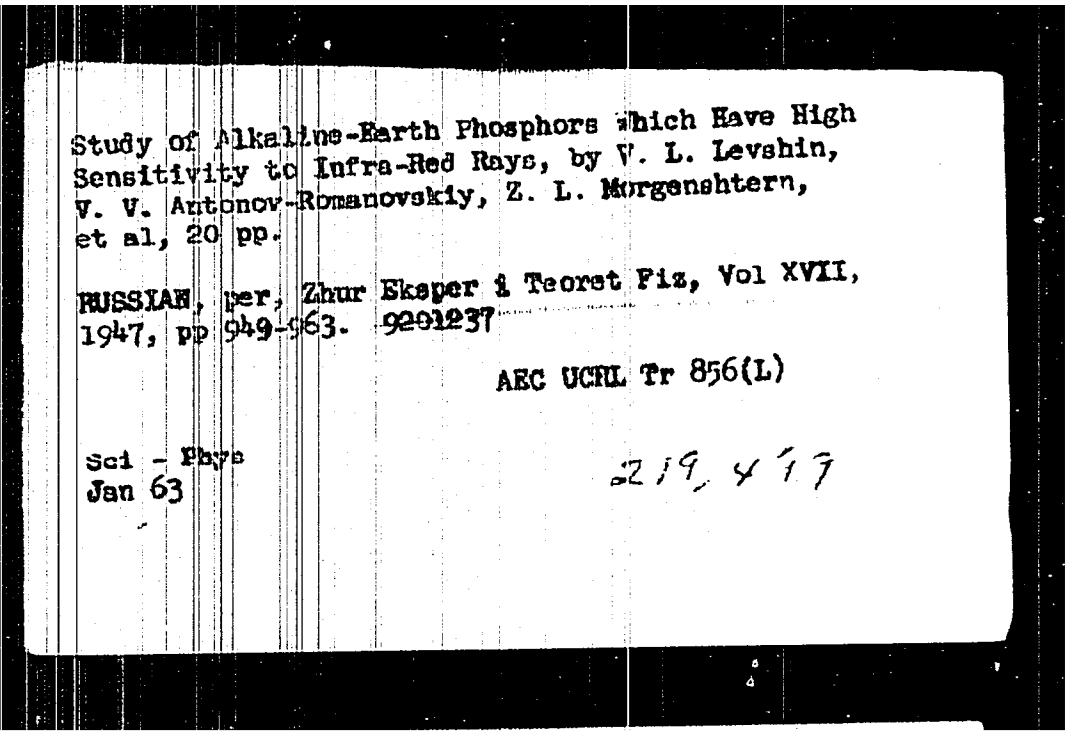

Study of Alkaline-Earth Phosphors which Have High Sensitivity to Infra-Red Rays, by V. L. Levshin, V. V. Antonov-Romanovskiy, Z. L. Morgenshtern, et al, 20 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII, 1947, pp 949-963. 9201237

AEC UCRL Tr 856(L)

Sci - Phys
Jan 63

219,477

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Noskov, M. M. and Sokolov, A. V.
THE MAGNETO-OPTICAL KERR EFFECT AS A FUNCTION OF THE THICKNESS AND OPTICAL CONSTANTS OF THIN FILMS. II. (Zavisimost' Magnetoopticheskogo Effekta Kerra ot Tolshchiny i Opticheskikh Konstant Tonkikh Plenok) tr. by D. R. H. Phillips. 24 June 60. 8p. (35 equations, 3 figs. omitted) 9 refs. Trafford Park Trans. no. 2844; M2031.
Order from LC or SLA mi$1.80, ph$1.80 61-13392

Trans. of [Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki] (USSR) 1947, v. 17, no. 11, p. 969-975.

The explanation of the influence of thin films on the magneto-optical Kerr effect ensues from resolution of a system of Maxwell equations for the chosen model of the phenomenon, and reduces to a special case of interference of polarised light, in which there is rotation of the plane of polarisation of one of the interference beams owing to reflection from the magnetised mirror. (See also 61-13393)

(Physics--Theoretical, TT, v. 5, no. 2)

61-13392

1. Thin films--Magnetic properties
2. Thin films--Optical properties
3. Title: Kerr effect
I. Noskov, M. M.
II. Sokolov, A. V.
III. AEI(M) TP/T-2844
IV. DSIR LLU M. 2031
V. Associated Electrical Industries (Manchester) Ltd. (Gt. Brit.)

141,183

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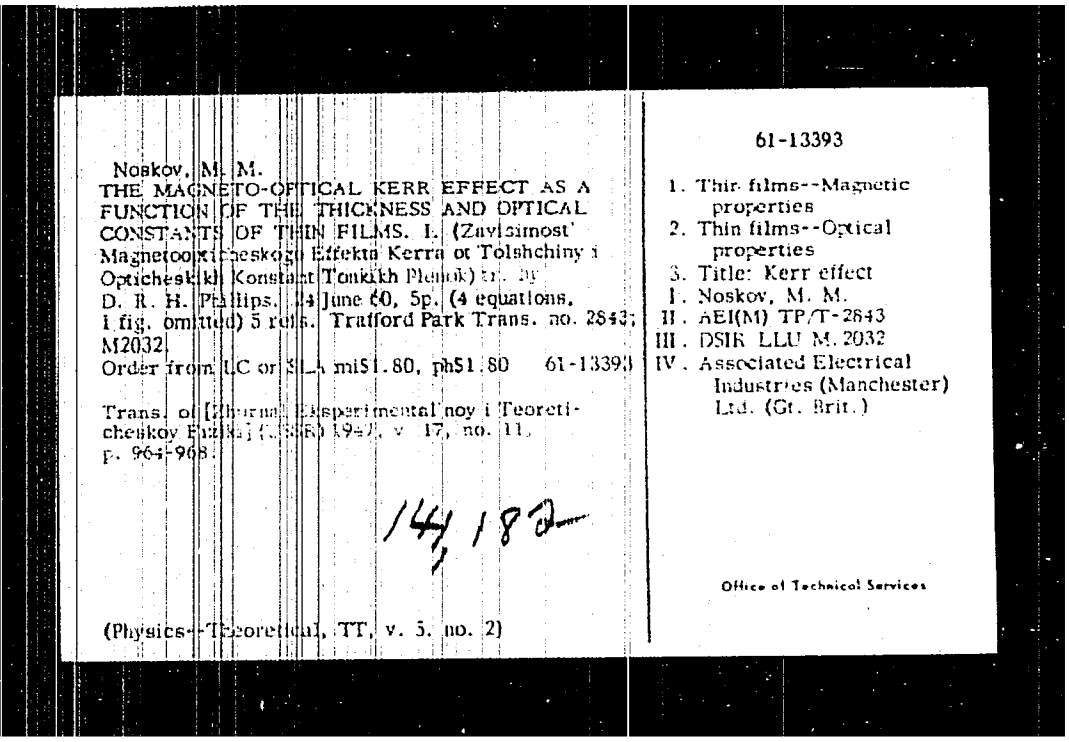

Noskov, M. M.
THE MAGNETO-OPTICAL KERR EFFECT AS A FUNCTION OF THE THICKNESS AND OPTICAL CONSTANTS OF THIN FILMS. I. (Zavisimost' Magnetoopticheskogo Effekta Kerra ot Tolshchiny i Opticheskikh Konstant Tonkikh Plenok) tr. by D. R. H. Phillips. 24 June 60, 5p. (4 equations, 1 fig. omitted) 5 refs. Trafford Park Trans. no. 2843; M2032
Order from LC or SLA mi$1.80, ph$1.80 61-13393

Trans. of [Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki] (J. Exp. Theor. Phys.) USSR, v. 17, no. 11, p. 964-968.

14, 182

(Physics--Theoretical, TT, v. 5, no. 2)

61-13393

1. Thin films--Magnetic properties
2. Thin films--Optical properties
3. Title: Kerr effect
I. Noskov, M. M.
II. AEI(M) TP/T-2643
III. DSIR LLU M.2032
IV. Associated Electrical Industries (Manchester) Ltd. (Gt. Brit.)

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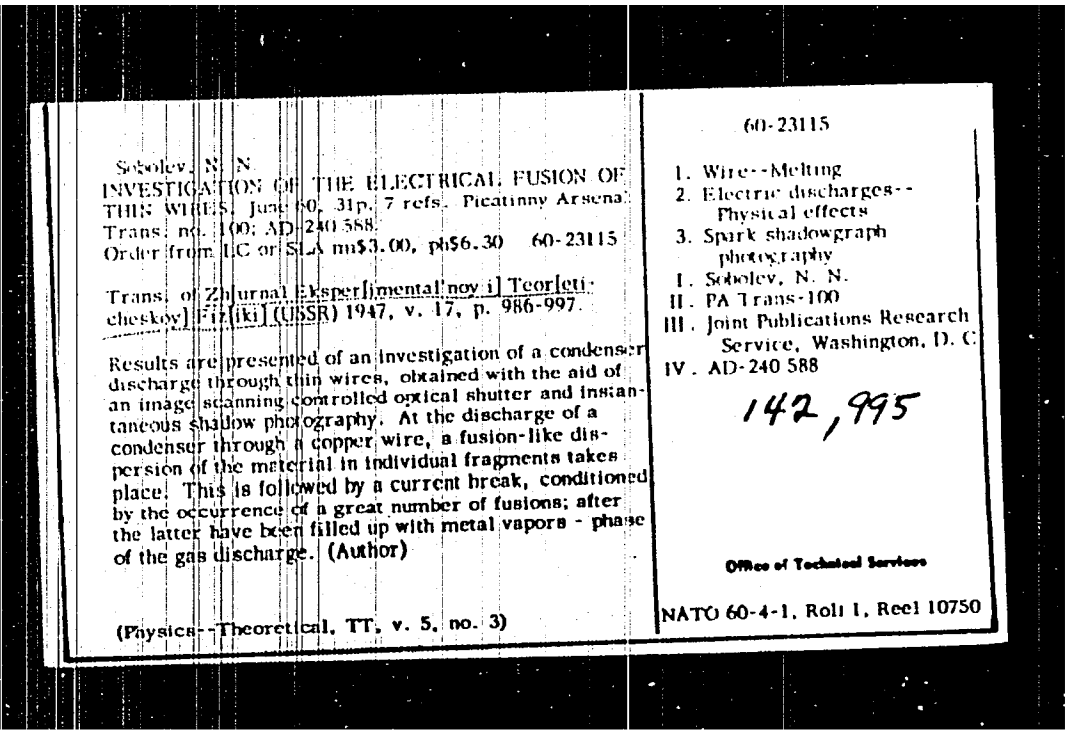

Sobolev, N. N.
INVESTIGATION OF THE ELECTRICAL FUSION OF THIN WIRES. June 50. 31p. 7 refs. Picatinny Arsenal Trans. no. 100; AD-240 588.
Order from LC or SLA ms$3.00, pb$6.30 60-23115

Trans. of Zhurnal Eksperimental'noy i Teoreticheskoy Fiz[iki] (USSR) 1947, v. 17, p. 986-997.

Results are presented of an investigation of a condenser discharge through thin wires, obtained with the aid of an image scanning controlled optical shutter and instantaneous shadow photography. At the discharge of a condenser through a copper wire, a fusion-like dispersion of the material in individual fragments takes place. This is followed by a current break, conditioned by the occurrence of a great number of fusions; after the latter have been filled up with metal vapors - phase of the gas discharge. (Author)

(Physics--Theoretical, TT, v. 5, no. 3)

60-23115

1. Wire--Melting
2. Electric discharges--Physical effects
3. Spark shadowgraph photography
I. Sobolev, N. N.
II. PA Trans-100
III. Joint Publications Research Service, Washington, D. C.
IV. AD-240 588

142,995

Office of Technical Services

NATO 60-4-1, Roll 1, Reel 10750

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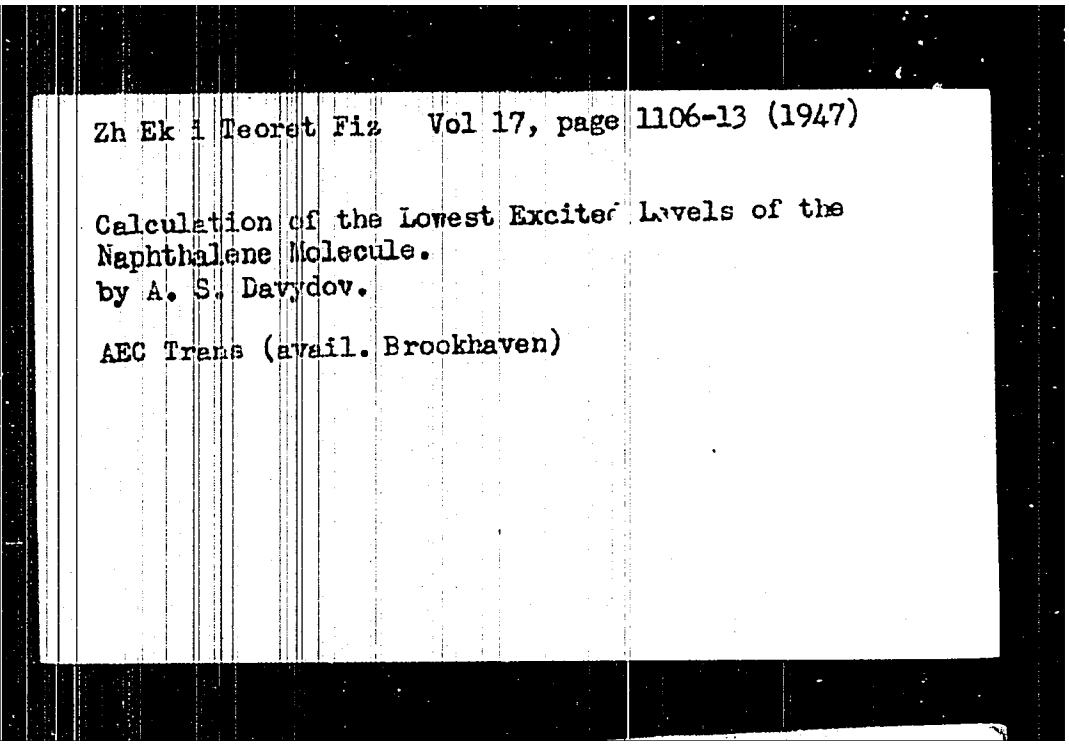

Zh Ek i Teoret Fiz Vol 17, page 1106-13 (1947)

Calculation of the Lowest Excited Levels of the Naphthalene Molecule.
by A. S. Davydov.

AEC Trans (avail. Brookhaven)

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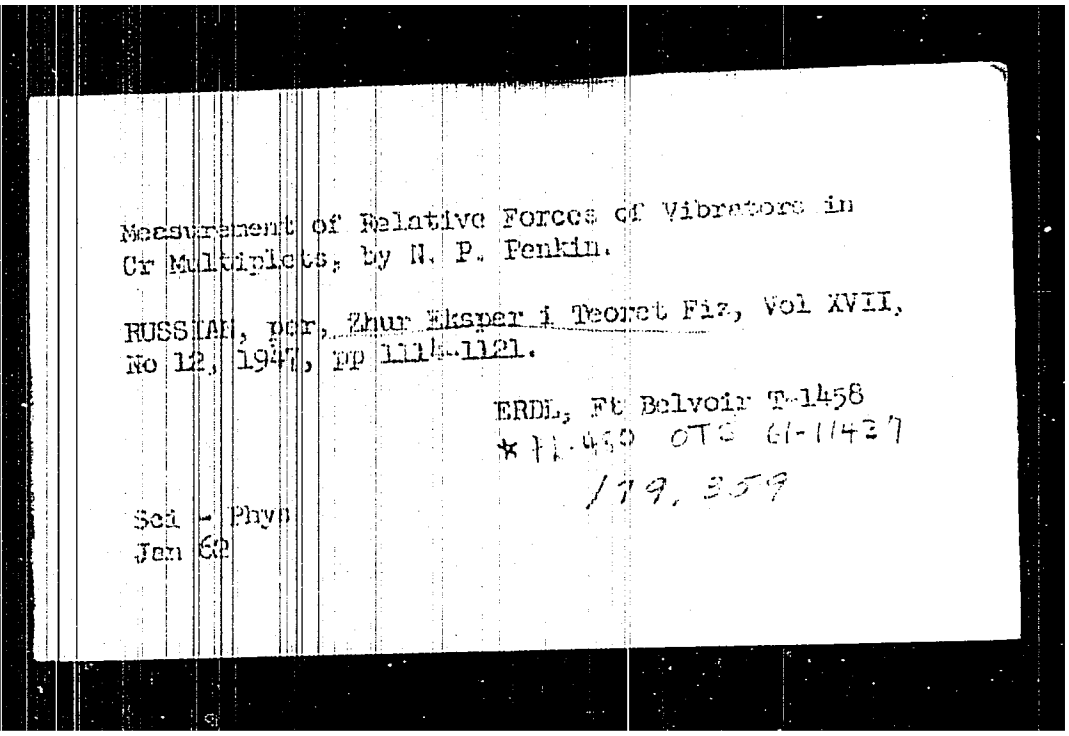

Measurement of Relative Forces of Vibrators in
Cr Multiplets, by N. P. Penkin.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII,
No 12, 1947, pp 1114-1121.

ERDL, Ft Belvoir T-1458
*11.459 OTS 61-11437
19,359

Sci - Phys
Jan 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Kapitsa, P. L.
WAVE FLOW IN THIN FILMS OF VISCOUS LIQUIDS. I. FREE FLOW [Volnovoe Techenie Tonikikh Sloev Vyazkoi Zhidkosti, I]. [1961] [16]p.
4 refs. C. E. Trans. 1768; [DSIR LLU] M. 3249.
Order from OTS or SLA $1.60 61-27621

Trans. of Zhurnal Eksper[imental'noi i] Teor[eticheskoi] Fiz[ika] (USSR) 1948, v. 18, no. 1, p. 3-18.
*Another trans. is available from INSDOC as T. 832a.

DESCRIPTORS: Liquids, Viscosity, *Fluid flow, *Wave transmission

A theoretical study is presented of the flow of films of viscous liquids under the action of a constant volumetric force and with a consideration of surface tension. An approximate solution of the equation of flow is found showing that wave flow, which was observed

(Mechanics--Hydrodynamics, TT, v. 6, no. 9) (over)

61-27621

I. Kapitsa, P. L.
II. Title: Free...
III. CE Trans-1768
IV. DSIR LLU M. 3249
V. Central Electricity Generating Board (Gt. Brit.)
VI. INSDOC T. 832a
VII. Title: Undulatory flow of thin layers of viscous liquid

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Wave Flow of Thin Layers of a Viscous Liquid, Pt. 2. Flow at Contact with a Gas Stream, and Heat Transfer, by P. L. Kapitsa, 13 pp.
RUSSIAN, per, Zhur Eksperimental i Teoret Fiz, Vol XVIII, No 1, 1948, pp 19-28.
AEC-tr-6179

Sci - Eng
Jul 66

305,892

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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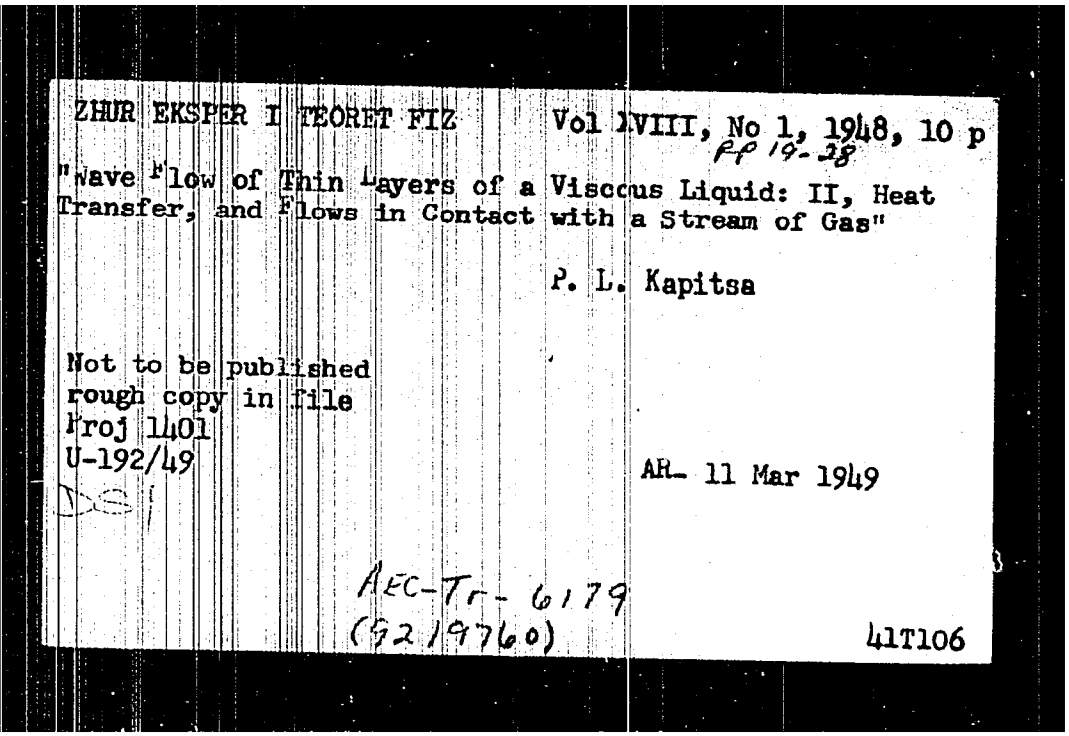

ZHUR EKSPER I TEORET FIZ Vol XVIII, No 1, 1948, 10 p
pp 19-28

"Wave Flow of Thin Layers of a Viscous Liquid: II, Heat Transfer, and Flows in Contact with a Stream of Gas"

P. L. Kapitsa

Not to be published
rough copy in file
Proj 1401
U-192/49

AR- 11 Mar 1949

AEC-Tr- 6179
(S2 19760)

41T106

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Isothermal Growth of Nuclei During Dissocisation of a Supersaturated Solution, by B. Y. Pines, 29 pp.

RUSSIAN, per, Zhur Exper i Teoret Fiz, Vol 18, No 1, USSR, Jan 1948, pp 29-44.

MRL 175

CIA 10148

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

The Probability of Formation of Crystalline Nuclei, by F. L. Gorsky, 8 pp.

RUSSIAN, per. Zhur Exper i Teoret Fiz, USSR, Vol 18, No 1, Jan 1948, pp 45-47.

NRL 174

CIA 11159

RT-853

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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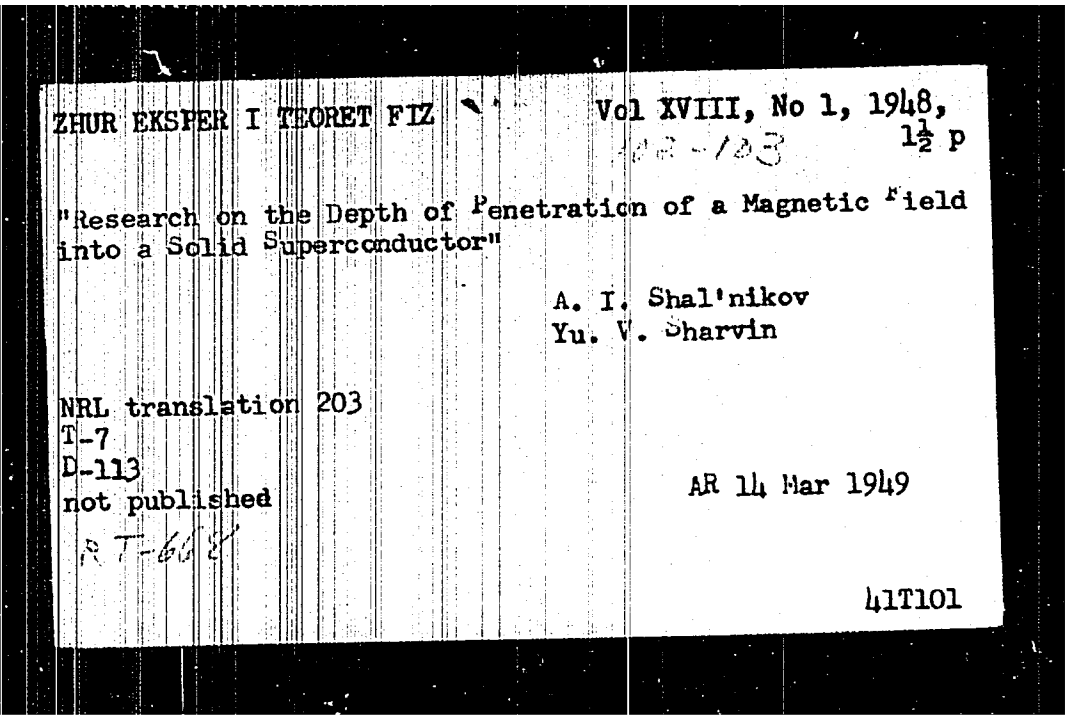

ZHUR EKSPER I TEORET FIZ Vol XVIII, No 1, 1948, 1½ p

"Research on the Depth of Penetration of a Magnetic Field into a Solid Superconductor"

A. I. Shal'nikov
Yu. V. Sharvin

NRL translation 203
T-7
D-113
not published

AR 14 Mar 1949

41T101

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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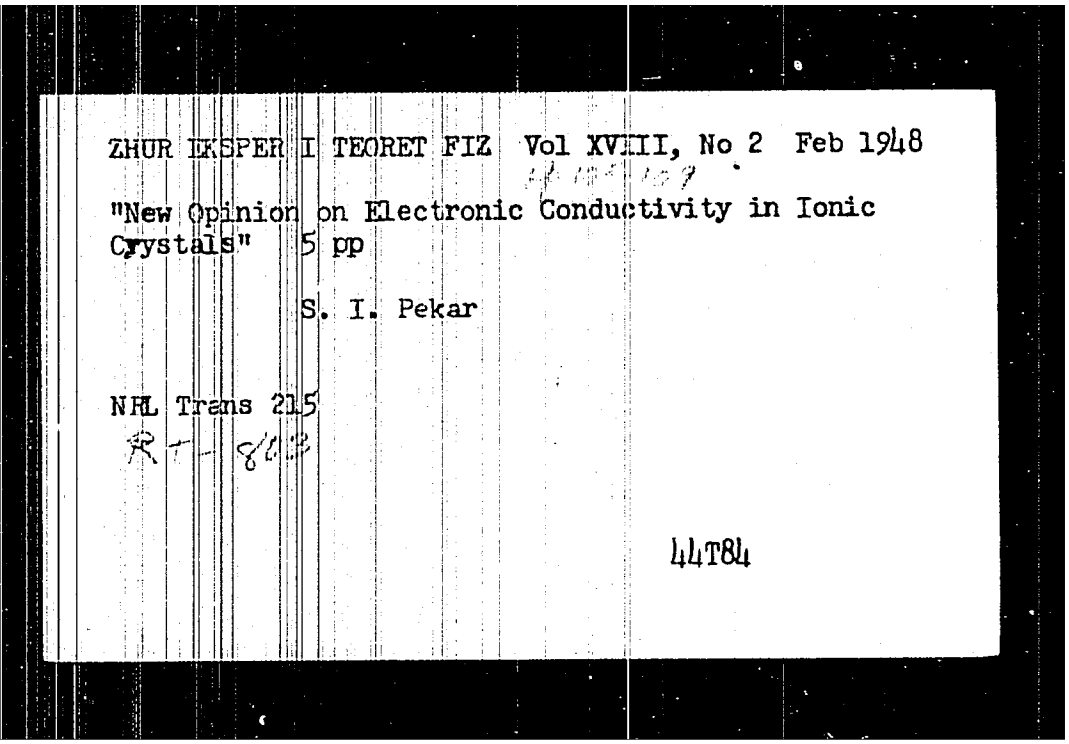

ZHUR EKSPER I TEORET FIZ Vol XVIII, No 2 Feb 1948

"New Opinion on Electronic Conductivity in Ionic Crystals" 5 pp

S. I. Pekar

NRL Trans 215

RT-843

44T84

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

ZHUR EKSPER I TEORET FIZ Vol XVIII, No 2 Feb 1948

"Influence of Distribution of Electrons According to Level of Localization on Course of Luminescent Processes in CaS-SrS-Ce, Sm, La-Phosphori, and Number of Multiple Localized Electrons" 15 pp. 149-163

V. L. Levshin

Trans by NRL
NRL TRAN. 218
RT-671

44T88

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

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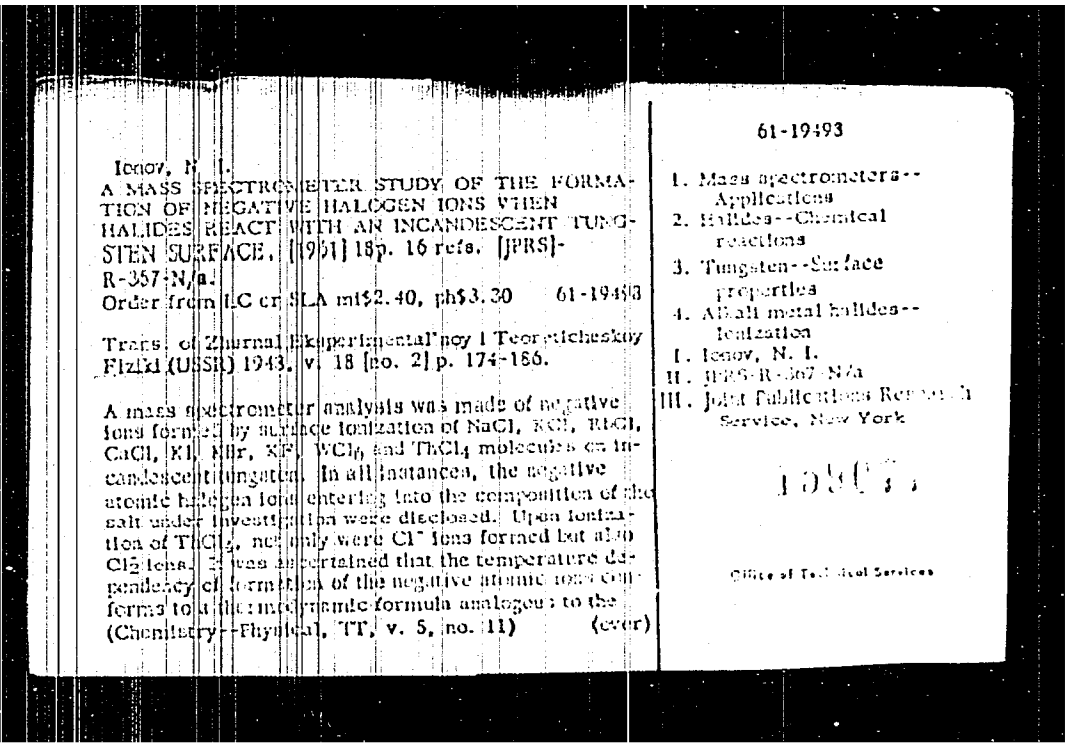


Ionov, N. I.
A MASS SPECTROMETER STUDY OF THE FORMATION OF NEGATIVE HALOGEN IONS WHEN HALIDES REACT WITH AN INCANDESCENT TUNGSTEN SURFACE. [1951] 18p. 16 refs. [JPRS]-R-357-N/a.
Order from LC or SLA mf$2.40, ph$3.30 61-19493

Trans. of Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki (USSR) 1943. v. 18 [no. 2] p. 174-186.

A mass spectrometer analysis was made of negative ions formed by surface ionization of NaCl, KCl, RbCl, CsCl, KI, NBr, KF, WCl_6 and $ThCl_4$ molecules on incandescent tungsten. In all instances, the negative atomic halogen ions entering into the composition of the salt under investigation were disclosed. Upon ionization of $ThCl_4$, not only were Cl^- ions formed but also Cl_2^- ions. It was ascertained that the temperature dependency of formation of the negative atomic ions conforms to a thermodynamic formula analogous to the
(Chemistry--Physical, TT, v. 5, no. 11) (over)

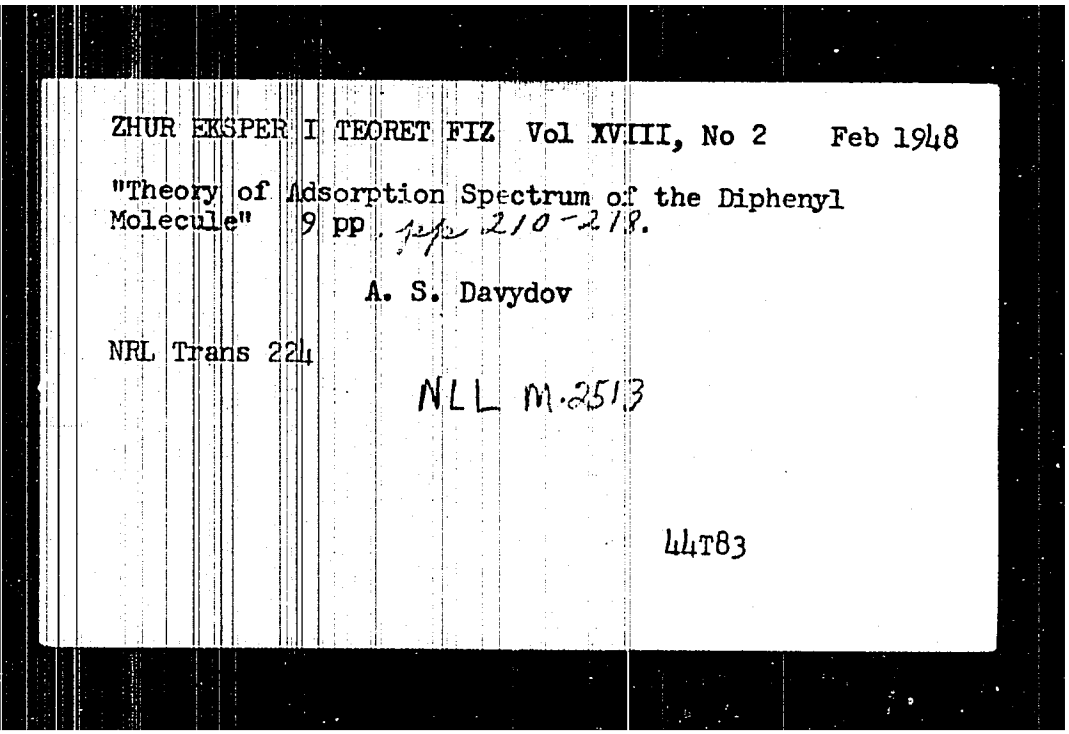
61-19493

1. Mass spectrometers--Applications
2. Halides--Chemical reactions
3. Tungsten--Surface properties
4. Alkali metal halides--Ionization
I. Ionov, N. I.
II. JPRS-R-357-N/a
III. Joint Publications Research Service, New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



ZHUR EKSPER I TEORET FIZ Vol XVIII, No 2 Feb 1948

"Theory of Adsorption Spectrum of the Diphenyl Molecule" 9 pp. pgs. 210-218.

A. S. Davydov

NRL Trans 224

NLL M.2513

44T83

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Electrical Conductivity of Ferromagnetic Metals at Low Temperatures, by S. V. Vonsovskiy, 6 pp. RUSSIAN, per, Zhur Eksperim i Teoret Fiz, Vol XVIII, No 2, 1948, pp 219-225. 9696359
FSTC 381-T64-115

Sci - Phys
Apr 65

276,367

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Luminescence Spectra of Zinc Oxide,
by V. I. Vergunas, F. F. Gavrilov.
RUSSIAN, Per, Zh. Eksperim i Teor Fiz,
Vol XVIII, No 2, 1948, pp 224-227.
NASA TT F-10,454

Sci-Phys
Jan 67

317,877

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

The Existence in Cosmic Rays of Positive and Negative Particles with Masses Greater Than That of a Meson, by A. I. Alikhanyan, A. I. Alikhanov, A. Weysmberg.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol 18, No 3, 1948.
See Upton, New York State: Brookhaven National Lab, Guide to Russian sci per lit, Vol 1, No 7, Dec 1948, pp 1-35.

Sci Museum Lib No 50/3259 - London

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Wave Flow of Thin Layers of A Viscous Liquid. Part 2. Flow At Contact With A Gas STream, and Heat Transfer, by P. L. Kapitsa, 13 pp.
RUSSIAN, per, Zh. Eksperim. i Teor. Fiz., Vol XVIII, 1948, pp 19-28.

AEC-Tr-6179

Sci - Phys
Feb 64

250, 241

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Wave Flow of Thin Films of Viscous Liquids.
I. Free Flow, by P. L. Kapitsa.

RUSSIAN, per, Zhur Eksper Teoret Fiz, Vol XVIII,
No 3, 1948, p 194.

NLL M. 2751

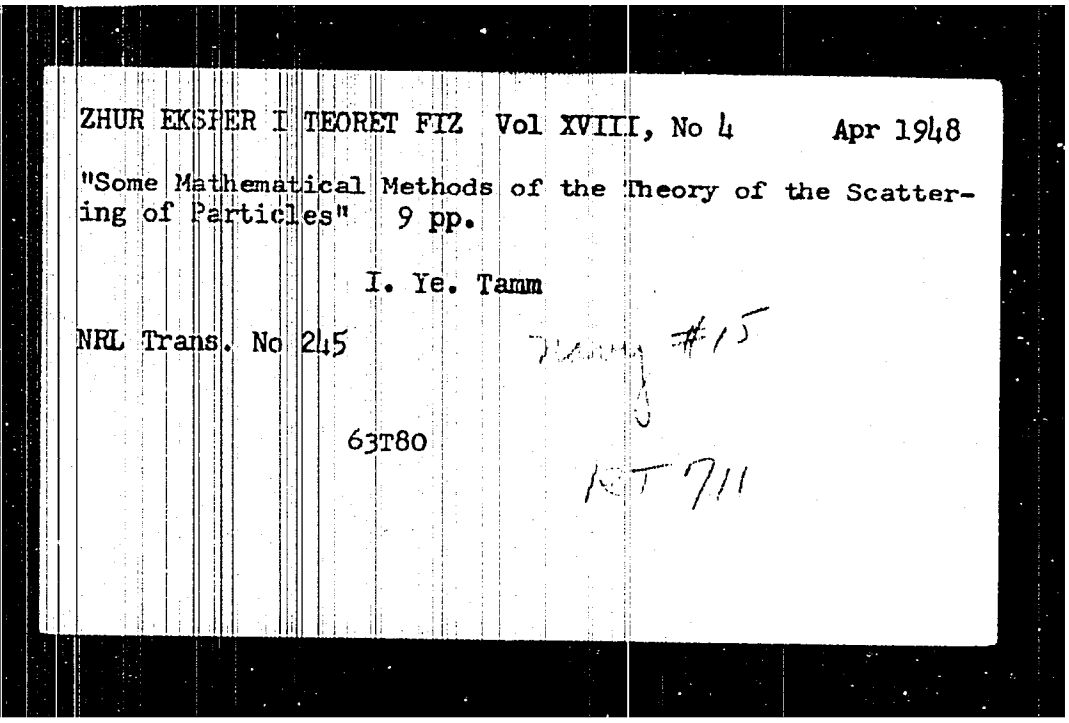
Sci - Phys

180,035

Jan 62

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



ZHUR EKSPER I TEORET FIZ Vol XVIII, No 4 Apr 1948

"Some Mathematical Methods of the Theory of the Scattering of Particles" 9 pp.

I. Ye. Tamm

NRL Trans. No 245

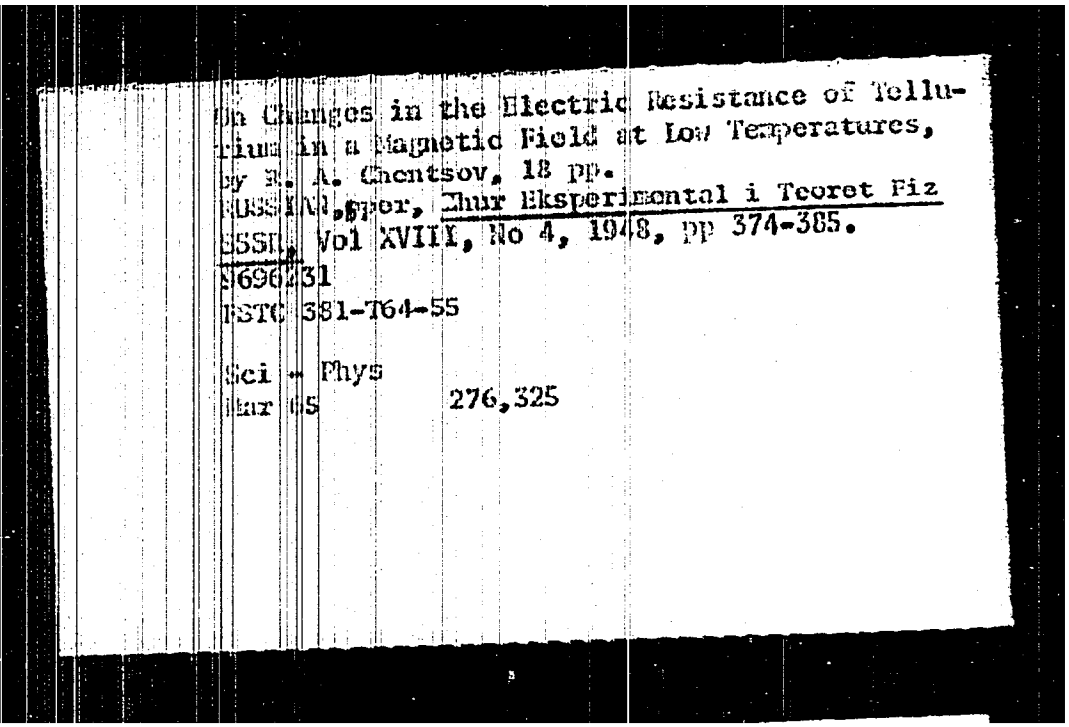
#15

63T80

QC T711

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

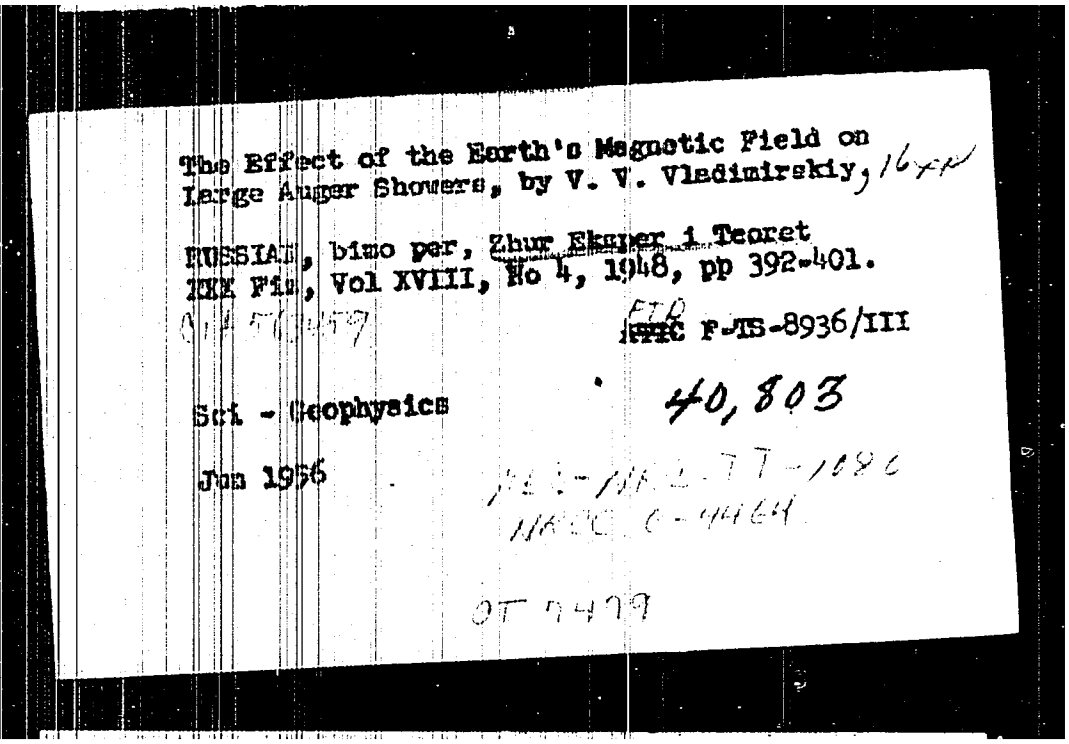


On Changes in the Electric Resistance of Tellurium in a Magnetic Field at Low Temperatures, by E. A. Chentsov, 18 pp.
RUSSIAN, Sbor, Zhur Eksperimental i Teoret Fiz SSSR, Vol XVIII, No 4, 1948, pp 374-385.
A696231
FSTC 381-764-55

Sci - Phys
Mar 65 276,325

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



The Effect of the Earth's Magnetic Field on Large Auger Showers, by V. V. Vladimirskiy, 16 pp

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz, Vol XVIII, No 4, 1948, pp 392-401.

FTD HTC F-TS-8936/III

Sci - Geophysics

Jun 1956

40,803

OT 7479

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

The Inelastic Scattering of Neutrons in Ferromagnetic Substances at Low Temperature, by G. Avak'yants.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVIII, No 5, 1948.

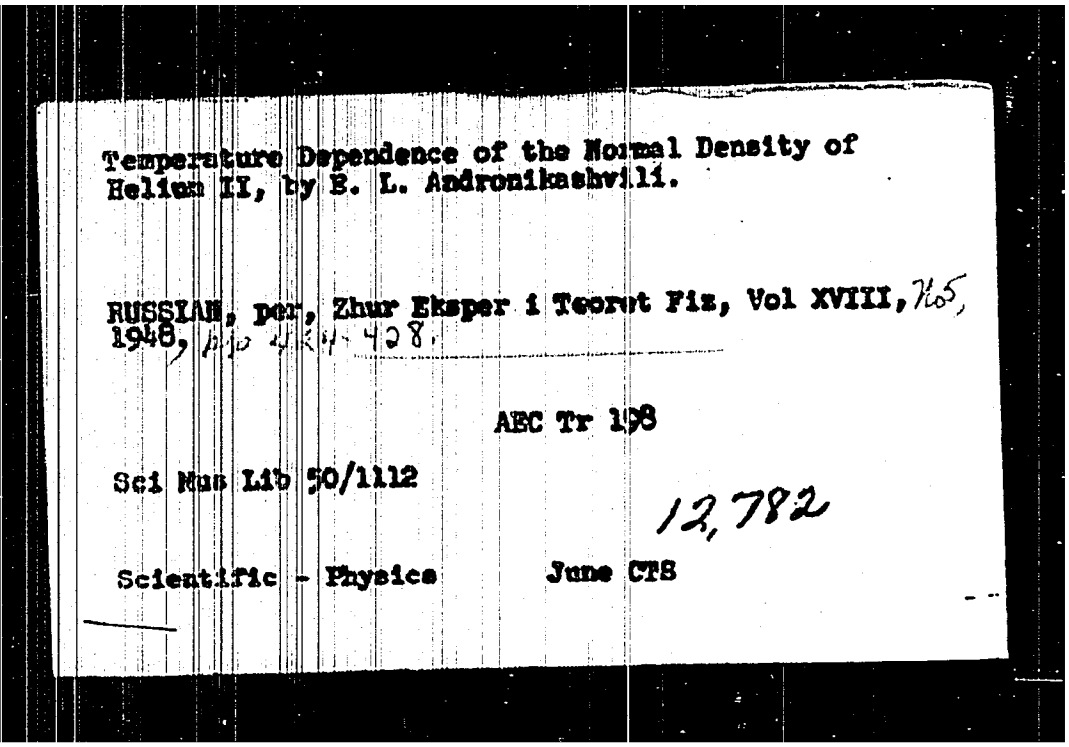
AEC Tr

Scientific - Physics

Oct 49 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Temperature Dependence of the Normal Density of Helium II, by B. L. Andronikashvili.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVIII, 765, 1948, pp 424-428.

AEC Tr 198

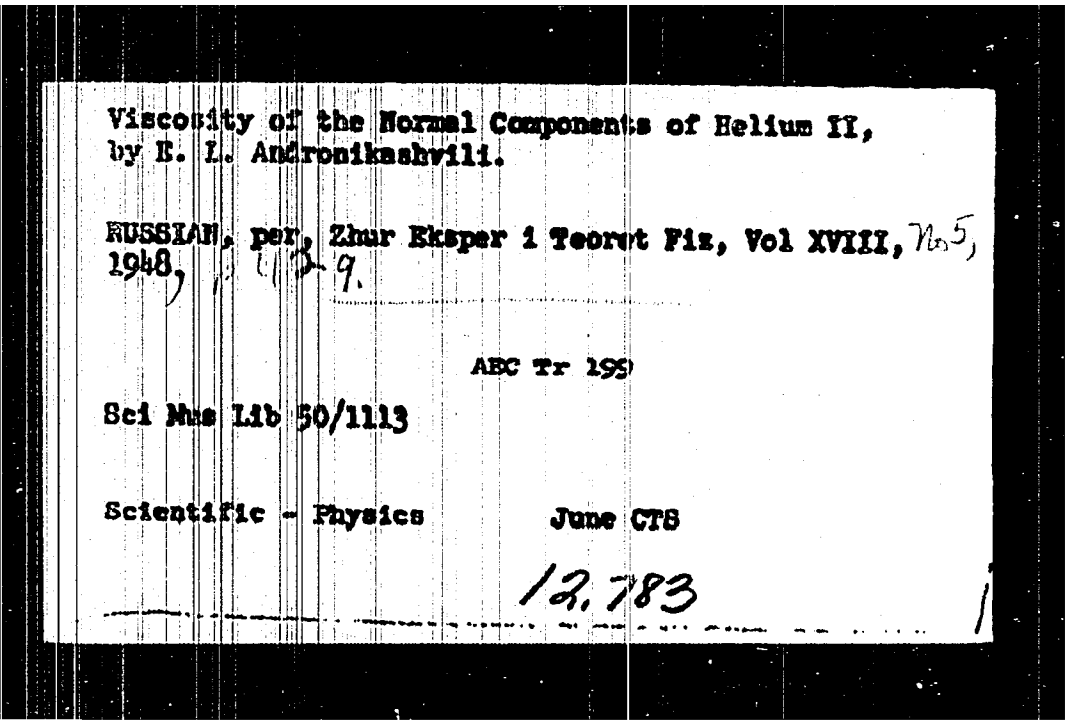
Sci Mus Lib 50/1112

12,782

Scientific - Physics June CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Viscosity of the Normal Components of Helium II,
by E. L. Andronikashvili.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVIII, No 5, 1948, p 413-9.

ABC Tr 195

Sci Mus Lib 50/1113

Scientific - Physics June CTS

12,783

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Second Sound in Helium II Under High pressures, by V. P. Peshkov, K. N. Zinov'yeva. UNCL.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XVIII, No 5, 1948, pp 438-443.

CFSTI TR-64-71308

DSIS, DRB, CANADA

T 281 R

Gel - Phys
Jun 59

89,571

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

13 235 Ca-1

GAL'PERIN F. M.

Atomic magnetic moments of metals of the iron group and interatomic distances

Zhur. Eksptl'. i Teoret. Fiz., 19, No. 5, 451-459 (1949)

TT 352 - English

Euratom

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Neutron Refraction, by A. Akhiezer, and I. Pomeranchuk.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol 18, No 5, 1948, pp 475 - 478.
Sae Upton, New York State: Brookhaven National Laboratory.
Guide to Russian scientific periodical literature, Vol 1, No 6, Oct 1948, pp 1-5.

Sci Museum (Ho Lib) 50/3257 - London

also No 3-1/2057 P

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

ZHUR EKSPER I TEORET FIZ Vol XVIII, No 6, 6 pp, Jun 48

"Thermodynamic Theory of Spin-Spin Relaxation in Paramagnetic Materials"

I. G. Shaposhnikov

Scheduled for Translation
by NRL letter dated 2/2/49
NRL Translation #201

6/49T99

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

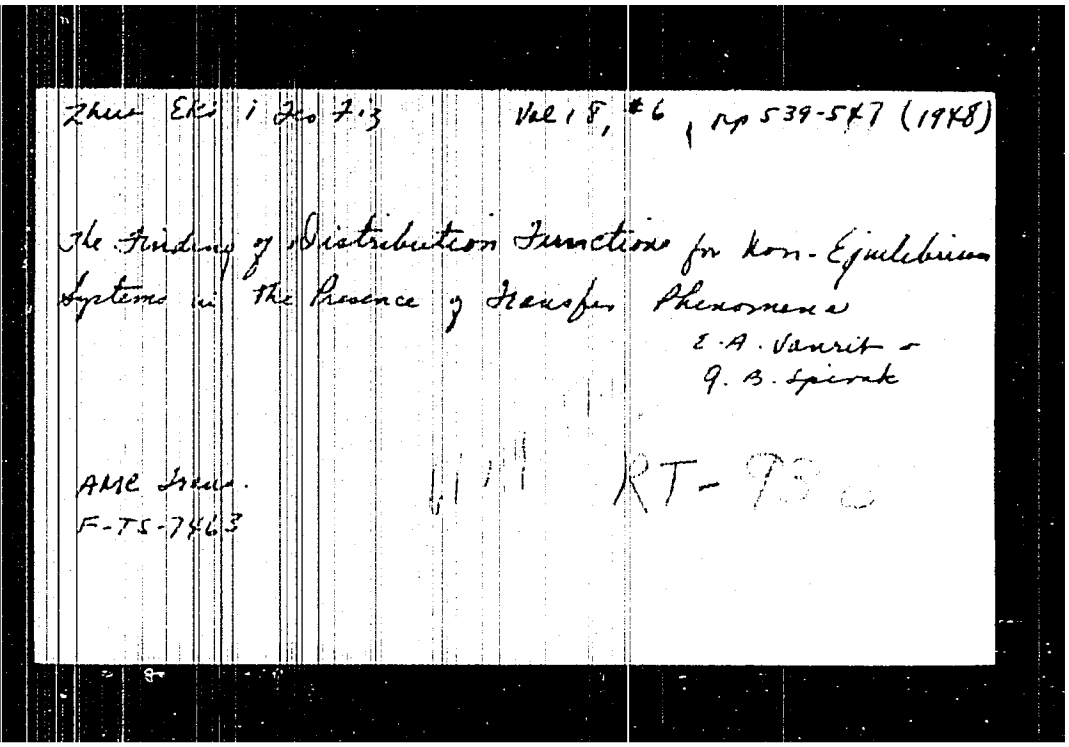
Zhur Eksper i Teoret Fisiki
Vol 18, No 6, 1948
pp 519-524

Spectroscopic Investigation of the Motion of Ions in a Plasma, by S. E. Frish and Yu. M. Kagan

AEC Trans

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7



Zhur. Eksp. i Teor. Fiz. Vol 18, #6, pp 539-547 (1948)

The Finding of Distribution Functions for Non-Equilibrium Systems in the Presence of Transfer Phenomena

E. A. Vanrit
G. B. Spirak

AMC Trans.
F-TS-7463

RT-

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Field Theory of Extended Particles, by D. I. Blokhintsev, 17 pp.

RUSSIAN, per, Zhur Eksper i Teoret, Vol XVIII, No 6, 1948, pp 565-574.

Sci Mu Lib No 52/0983
AEC Tr 222
Am Math Soc Tr T-38

Scientific - Physics

15 / 88

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

The Theory of Resonance Scattering of Particles, by A. Akhiezer, and I. Pomeranchuk.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol 18, No 7, 1948, pp 603-613.

SEE Upton, New York State: Brookhaven National Laboratory.

Guide to Russian scientific periodical literature, Vol 1, No 6, Oct 1948, pp 6-12.

V

Sci Museum Lib No 50/3258 - London

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Kinetic Equations in the Theory of Super-Flow,
by N. N. Bogolyubov, 17 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XVIII, No 7, 1948, pp 622-630.

Sci Mus Lib No 55/1122
Nat Res Lib TT-518

Sci - Physics
CTS 71/Aug 1955

25,739

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7

Interaction of an Electron and Position in Pair Production. by A, D. Sakharov. 11 pp.

RUSSIAN, no per. Zhur Eksper i Teoret Fiz, Vol XVIII, No 7 1948. pp 631 635.

Sci Trans Center RT 4471

42, 048

Scientific Physics
Dec 56 CTS

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290025-7